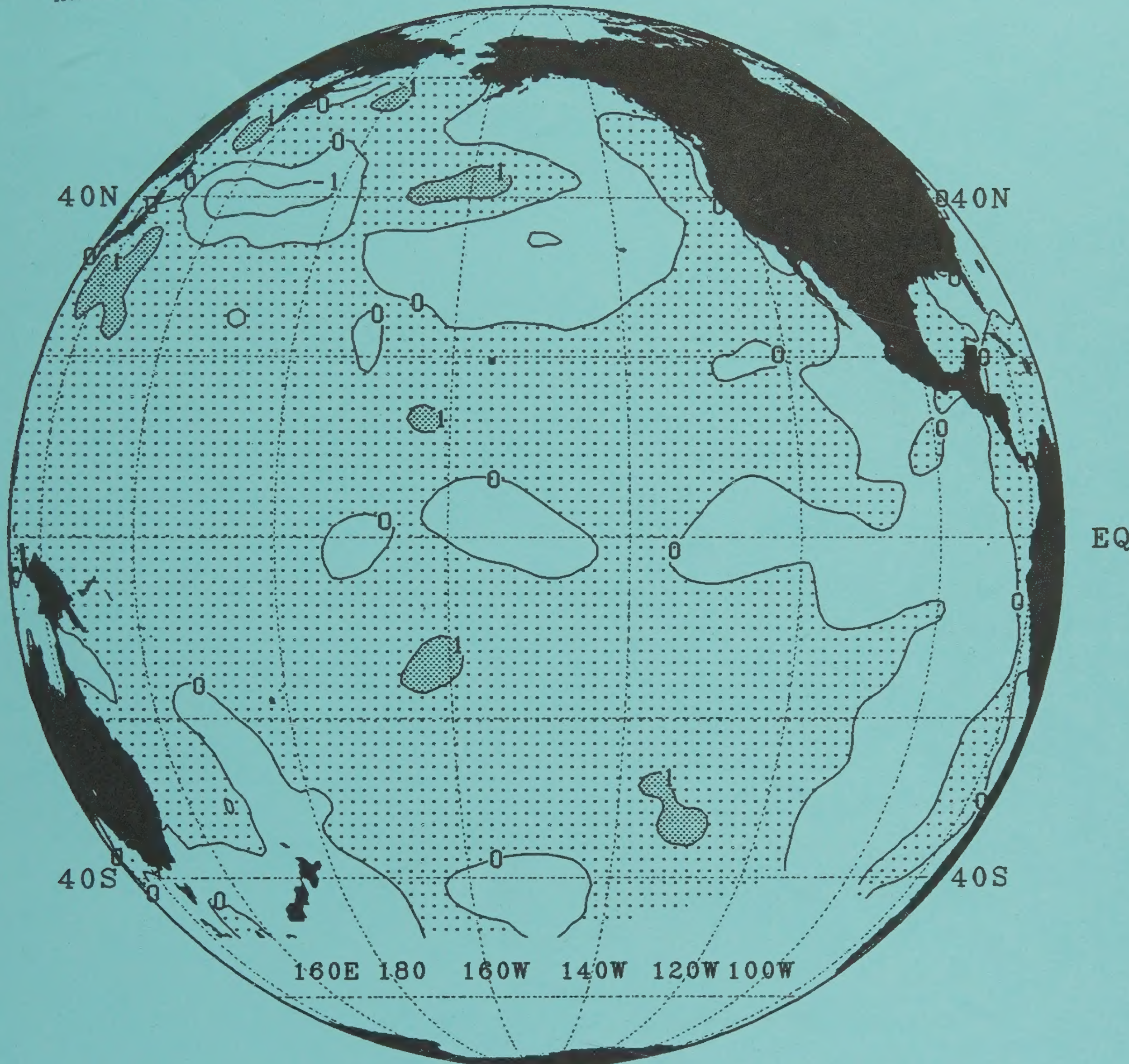
気象庁海洋月報

Monthly Ocean Report

August 1995 (No. 32)



El Niño Monitoring Center
Japan Meteorological Agency

気象庁海洋気象部海洋課
エルニーニョ監視センター

平成7年8月

気象庁海洋月報は、気象庁海洋気象部海洋課エルニーニョ監視センターで作成されています。
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Monthly Ocean Report is prepared by the El Niño Monitoring Center, Oceanographical Division, Marine Department, Japan Meteorological Agency.

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表紙は、1995年８月の太平洋の月平均海面水温偏差図です。
陰影部は、平年より高温の海域を示しています。

The figure on the front cover shows the monthly mean SST anomalies for August 1995 in the Pacific Ocean.
Areas of positive anomalies are shaded.

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海況の特徴（１９９５年８月）

太平洋の海況

太平洋赤道域の海面水温は、160°Ｅ以西で平年より0.5℃以上高かった。一方、160°Ｗから150°Ｗにかけてと130°Ｗ以東では、平年より0.5℃以上低かった。エルニーニョ監視海域（4°Ｓ～4°Ｎ、150°Ｗ～90°Ｗ）の海面水温偏差は、-0.3℃であった（第１表、第１図、第６図）。

太平洋の赤道に沿う表層では、東部で水温躍層の深さが平年より浅く、これに沿って負偏差域が広がっていた（第9図）。

北太平洋の海面水温は、日本の南方及び40°Ｎに沿った170°Ｗから150°Ｗにかけて平年より１℃以上高かった。一方、40°Ｎに沿った日付変更線以西では平年より１℃以上低かった（第6図）。

日本近海の海況

日本近海の海面水温は、日本の南方から南東方にかけてと、日本海北部、オホーツク海及び東シナ海で平年より高く、特に、日本の南方から南東方にかけては１℃以上高い海域が広がっていた。一方、北海道南東沖では0.5～１℃、関東近海では0.5℃前後、それぞれ平年より低かった（第24図）。

日本の南の８月の月平均海面水温は記録的に高かった（詳細については、iiiページを参照）。

黒潮は、九州・四国に沿って流れた後、紀伊半島からほぼ33°Ｎに沿って東に流れ、140°Ｅ付近から北東に向かい、房総半島からは離岸して流れていた（第27図）。

本州東方の親潮系の冷水（深さ100mで５℃以下）は、沿岸寄りの分枝は40.1°Ｎ, 142.4°Ｅまで、沖合の分枝は38.5°Ｎ, 146.4°Ｅまで、それぞれ達していた（第26図）。

熱帯の気象

対流圏上層の大規模な発散の中心は、平年より西に30度偏ってインドシナ半島付近に存在し、インド洋東部から南シナ海にかけて、モンスーンに伴う対流活動が平年より活発だった。太平洋上の赤道付近の東西風は、下層で東風偏差が、上層で西風偏差が、それぞれ強く、東西循環が平年より強かった。南方振動指数（ＳＯＩ）は、0.0 だった（第１表、第3～5図、第12図）。

［気象庁長期予報課提供］

HIGHLIGHTS August 1995

Pacific

Sea surface temperatures (SSTs) were more than 0.5°C above normal west of 160°E in the equatorial Pacific. Negative SST anomalies greater than 0.5°C prevailed from 160°W to 150°W, and east of 130°W. The SST index for region B (Fig. 1) was -0.3°C (Table 1 and Figs. 1 and 6) .

In the eastern part of the equatorial Pacific, the thermocline was shallower than normal and negative sub-surface temperature anomalies were enhanced along the thermocline (Fig. 9).

In the North Pacific, positive SST anomalies greater than 1°C were observed south of Japan and along 40°N from 170°W to 150°W. SSTs were more than 1°C below normal along 40°N west of the date line (Fig. 6).

Seas adjacent to Japan

Positive SST anomalies greater than 1°C prevailed from south to southeast of Honshu. SSTs were also above normal in the northern part of the Japan Sea, in the Sea of Okhotsk and in the East China Sea. SSTs were 0.5-1 °C below normal southeast of Hokkaido and 0.5°C below normal around Kanto (Fig. 24).

Monthly mean SSTs in seas south of Japan recorded the highest values of August since 1949 (see page iii).

The Kuroshio flowed along the coast of Kyushu and Shikoku, eastward along 33°N from Kii Peninsula to 140°E, then northeastward passing off the Boso Peninsula (Fig. 27).

Coastal and off-coastal branches of the Oyashio cold water (below 5°C at a 100 m depth) extended southward to 40.1°N, 142.4°E and 38.5°N, 146.4°E, respectively (Fig. 26).

Atmospheric conditions in the tropics

The center of the large-scale divergence at the upper troposphere was located over the Indochina Peninsula, 30 degrees west of its normal position. Convective activities accompanied by Asian summer monsoon were enhanced from the eastern part of the Indian Ocean to the South China Sea. Low-level easterlies and upper-level westerlies along the equator were stronger than normal in the Pacific. Hence the Walker circulation over the tropical Pacific was stronger than normal. The Southern Oscillation Index (SOI) was 0.0 (Table 1, Figs. 3-5 and 12).

[Prepared by the Long-range Forecast Division, JMA]

日本の南方の記録的に高い海面水温

本年８月の日本の南方の海面水温は、記録的に高く、日本の南、日本の南東方、日本のはるか南、日本のはるか南東及びフィリピンの東の各海域の平均海面水温は、８月としては1949年以降最も高い値となった。

Extremely high SSTs in seas south of Japan

Sea surface temperatures (SSTs) in seas south of Japan were extremely high in August 1995. Regional mean monthly SSTs recorded the highest values of August since 1949 south of Japan, southeast of Japan, far south of Japan, far southeast of Japan, and east of the Philippines.

	Area	Ranking	Year	SST (°C)	Anomaly (°C)
A	South of Japan	1	1995	28.8	+0.9
		2	1952	28.6	+0.7
	30-34°N	2	1961	28.6	+0.7
	130-140°E	4	1953, 79, 90	28.5	+0.6
		Normal		27.9	
B	Southeast of Japan	1	1995	28.8	+1.2
		2	1951	28.4	+0.8
	30-34°N	2	1957	28.4	+0.8
	140-150°E	2	1964	28.4	+0.8
		5	1963, 71, 91	28.2	+0.6
		Normal		27.6	
C	Far south of Japan	1	1995	29.4	+1.0
		1	1980	29.4	+1.0
	26-30°N	3	1952	29.2	+0.8
	130-140°E	4	1991	29.1	+0.7
		5	1962	29.0	+0.6
		Normal		28.4	
D	Far southeast of Japan	1	1995	29.2	+1.0
		2	1951	28.9	+0.7
	26-30°N	2	1962	28.9	+0.7
	140-150°E	4	1961, 63, 69, 91	28.8	+0.6
		Normal		28.2	
E	East of the Philippines	1	1995	29.6	+0.5
		1	1988	29.6	+0.5
	0-20°N	3	1962	29.4	+0.3
	120-140°E	4	1954, 55, 68, 73	29.3	+0.2
		Normal		29.1	

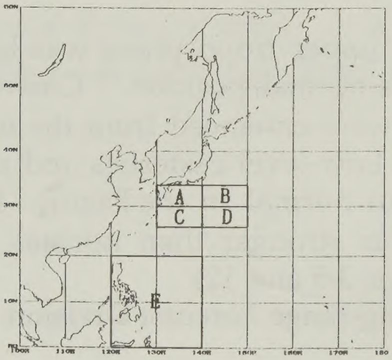


表　A　日本の南方の各海域の８月の高い月平均海面水温の順位（1949年以降、偏差は気象庁の平年値（1961～1990年）からの差）

Table A　Ranking of high monthly mean SSTs in seas south of Japan in August since 1949. Anomalies are computed from JMA climatology (1961-1990).

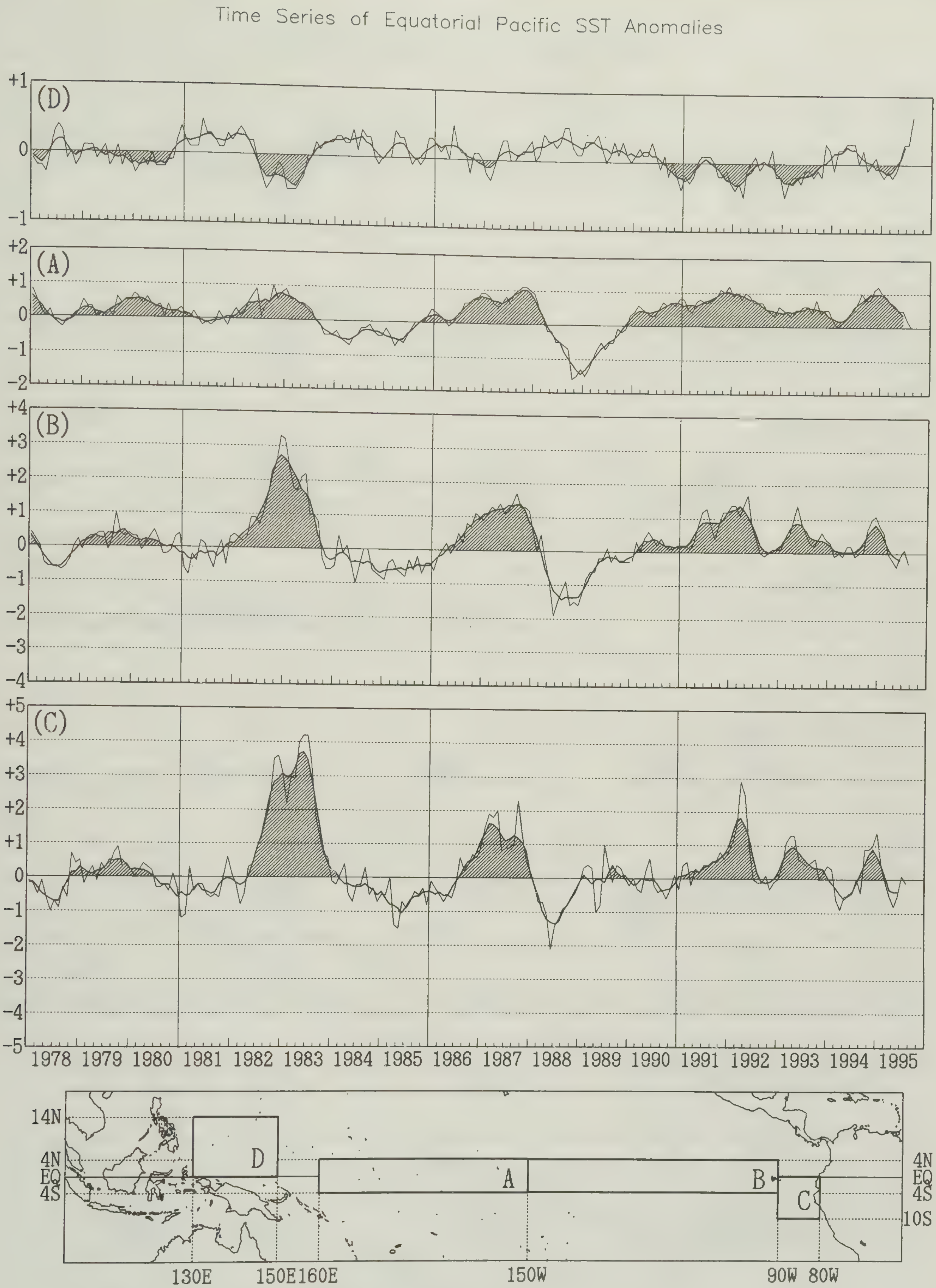
DATE	SEA SURFACE TEMPERATURE AND ANOMALY (°C)								SEA LEVEL ANOMALY (cm)					
	Region D 14N-Eq. 130E-150E		Region A 4N-4S 160E-150W		Region B 4N-4S 150W-90W		Region C Eq.-10S 90W-80W		Yap 10N,138E	Rabaul 4S,152E	Majuro 7N,171E	Tarawa 1N,173E	Christ-mas 2N,157W	Santa Cruz 1S, 90W
SEP 94	29.1	-0.1	29.1	+0.8	24.6	0.0	19.9	-0.4	-5	-	0	14	4	1
OCT 94	29.3	0.0	29.2	+0.8	25.3	+0.7	21.6	+0.9	0	-	-	10	9	4
NOV 94	29.3	+0.1	29.5	+1.1	25.6	+1.0	22.4	+0.9	5	2	-5	-	7	10
DEC 94	28.8	-0.1	29.4	+1.2	26.0	+1.1	23.6	+1.0	-1	2	-5	-	6	9
JAN 95	28.3	-0.2	29.0	+1.0	26.2	+0.8	25.7	+1.4	-3	-2	2	7	8	7
FEB 95	28.2	-0.1	28.9	+0.9	26.8	+0.6	26.1	+0.4	-7	-2	5	5	2	5
MAR 95	28.2	-0.2	28.8	+0.7	26.9	0.0	25.8	-0.1	2	6	6	2	0	-2
APR 95	28.7	-0.1	28.8	+0.6	26.9	-0.2	24.6	-0.5	-7	10	11	1	-3	-11
MAY 95	29.2	+0.1	29.0	+0.5	26.2	-0.4	23.1	-0.8	-3	6	6	4	2	-8
JUN 95	29.6	+0.3	29.0	+0.5	26.0	-0.1	22.2	-0.5	-1	-	-1	2	0	-2
JUL 95	29.5	+0.3	28.7	+0.2	25.3	+0.1	21.7	+0.1	5	-	1	0	-6	0
AUG 95	29.8	+0.7	28.4	0.0	24.3	-0.3	20.5	-0.1						

第１表（ａ）　エルニーニョ監視指数

Table 1 (a) El Niño monitoring indices. Data sources are the El Niño Monitoring Center of JMA for the sea surface temperature and anomaly and SOC for ISLP-Pac, Department of Oceanography, University of Hawaii for the sea level anomaly.

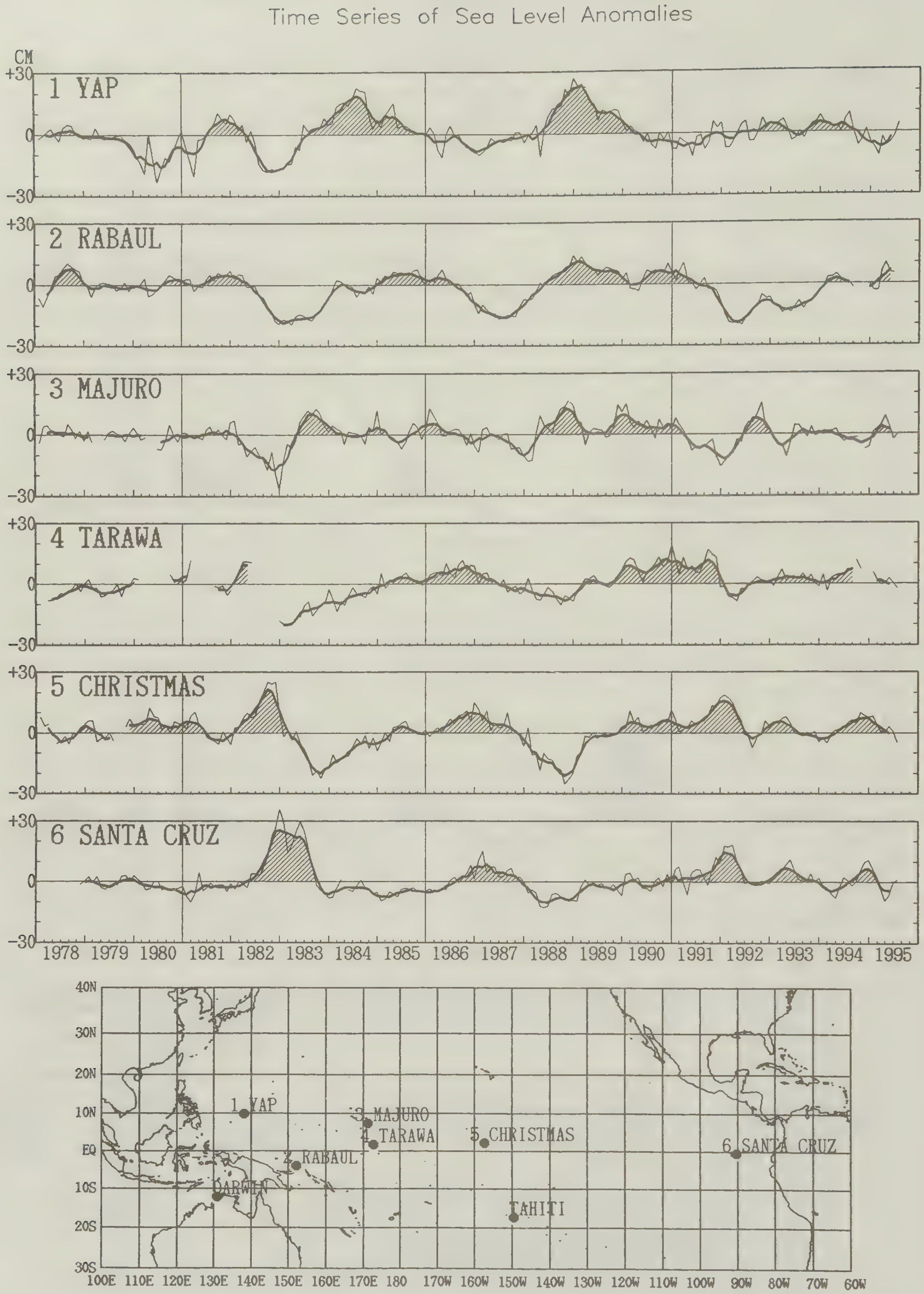
DATE	SOI	SEA LEVEL PRESSURE ANOMALIES		HIGH CLOUD AMOUNT INDEX			EQUATORIAL ZONAL WIND INDEX				
		TAHITI 17°33'S, 149°37'W	DARWIN 12°24'S, 130°52'E	HCLD-PH 20N-10N 110E-140E	HCLD-MC 5N-5S 110E-135E	HCLD-DL 5N-5S 170E-170W	U200-IN 5N-5S 80E-100E	U200-CP 5N-5S 180 -125W	U850-WP 5N-5S 160E-175W	U850-CP 5N-5S 170W-135W	U850-EP 5N-5S 130W-100W
SEP 94	-1.6	-1.5	1.5	0.2	-1.1	1.4	-0.9	0.1	0.4	0.3	0.9
OCT 94	-1.5	-1.1	1.2	-0.6	-1.9	0.2	1.1	-0.9	0.9	1.2	0.8
NOV 94	-0.6	-0.2	0.9	-3.4	-1.3	1.9	0.5	-0.3	1.2	1.2	1.6
DEC 94	-1.2	-0.3	1.8	-0.7	-0.2	2.6	0.5	0.1	1.2	-0.2	0.1
JAN 95	-0.4	-0.3	0.6	-1.1	-0.4	1.2	-0.4	-0.2	-0.3	-0.6	0.3
FEB 95	-0.2	0.6	1.1	-0.7	-0.3	0.3	-0.8	-0.5	-0.4	0.1	-0.1
MAR 95	0.4	0.3	-0.5	-0.7	0.3	-0.3	-0.2	-0.1	-0.7	-0.4	-0.3
APR 95	-1.4	-1.6	0.0	-1.1	-0.2	-0.6	0.7	0.0	0.0	-0.2	0.1
MAY 95	-1.1	-0.7	0.6	0.3	-1.2	-0.1	-0.9	0.1	0.0	-0.1	0.2
JUN 95	-0.1	0.3	0.4	-1.8	-0.4	-0.7	0.2	0.2	-0.9	-0.4	0.6
JUL 95	0.4	0.4	-0.4	1.5	-0.1	-0.7	-1.1	-0.1	-0.8	-0.8	0.3
AUG 95	0.0	0.4	0.3	0.3	-0.1	-1.1	-0.0	1.4	-1.3	-1.5	-1.0

第1表（b） エルニーニョ監視指数（続き）
Table 1 (b) El Niño monitoring indices (continued).
Data sources are the Long-range Forecast Division of JMA for the atmospheric conditions.



第1図　太平洋赤道域の海面水温偏差時系列図

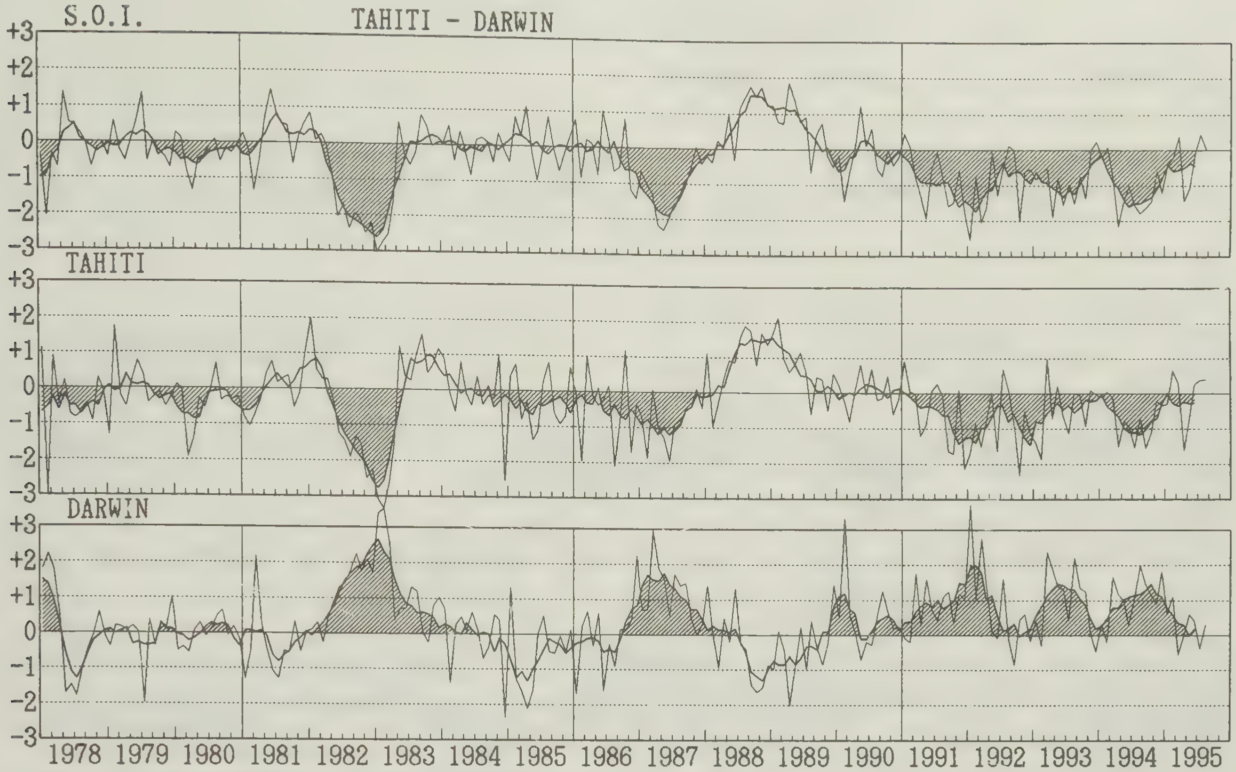
Fig.1 Time series of monthly mean SST anomalies (° C) in the equatorial Pacific Ocean for the areas indicated at the bottom.
Thin lines show the monthly means and thick lines their 5-month running means. Positve anomalies (A, B, C) and negative anomalies (D) are shaded. Anomalies are computed from the JMA climatology (1961-1990).



第2図　太平洋月平均海面水位偏差時系列図

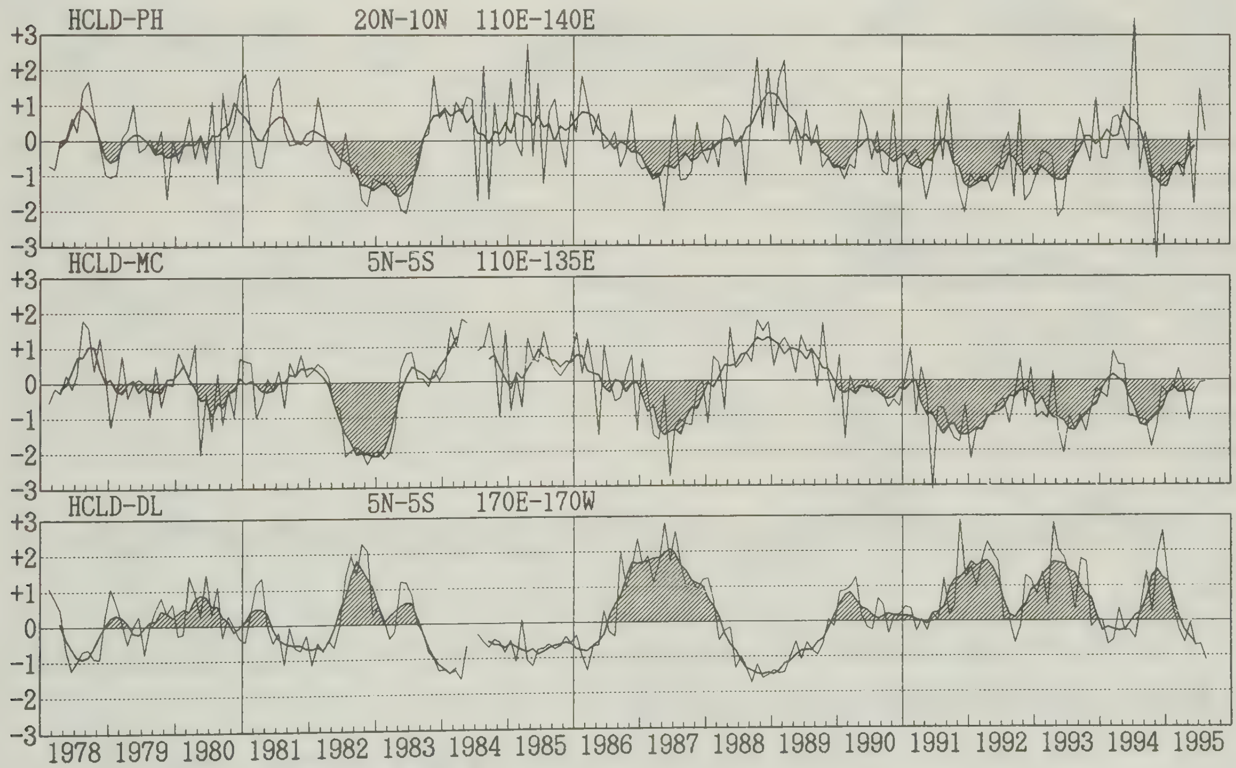
Fig.2 Time series of sea level anomalies computed from 1976–1990 monthly mean values obtained from the stations indicated at the bottom. Thin lines show the monthly mean and thick lines their 5-month running means. Positive anomalies are shaded.

Time Series of SOI and High-Cloud Amount Index



第3図 南方振動指数及び海面気圧偏差時系列図

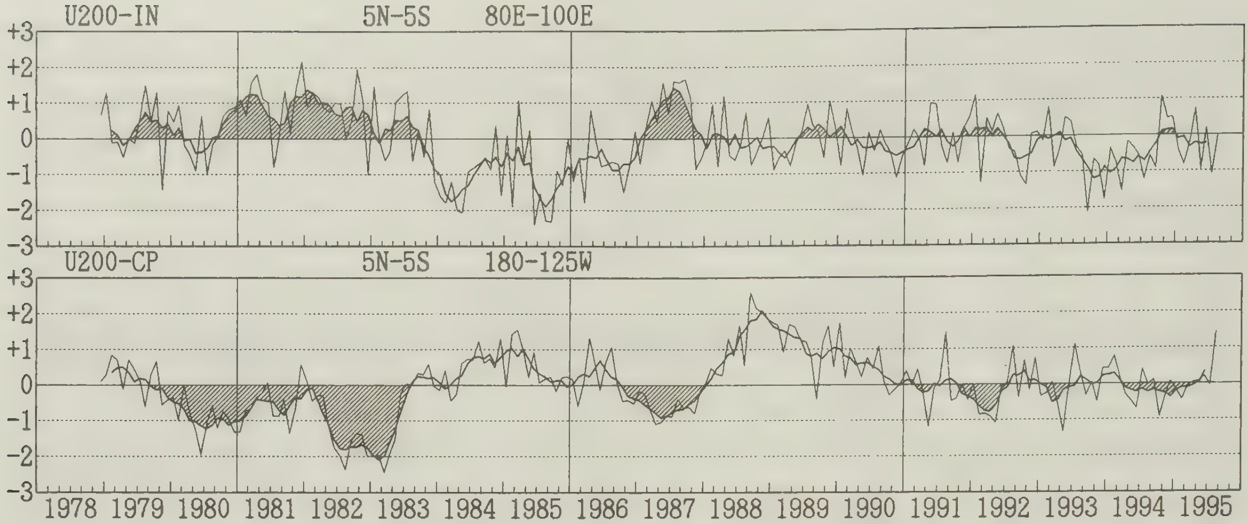
Fig.3 Time series of the Southern Oscilation Index (top) and monthly mean sea level pressure standardized anomalies at Tahiti (middle) and Darwin (bottom). Thin lines show the monthly mean and thick lines their 5-month running means. Negative anomalies (top, middle) and posotive anomalies (bottom) are shaded. Normals and standard deviations are computed from 1961–1990 base periods. Data sources are the Long-range Forecast Division of JMA.



第4図 月平均上層雲量指数時系列図

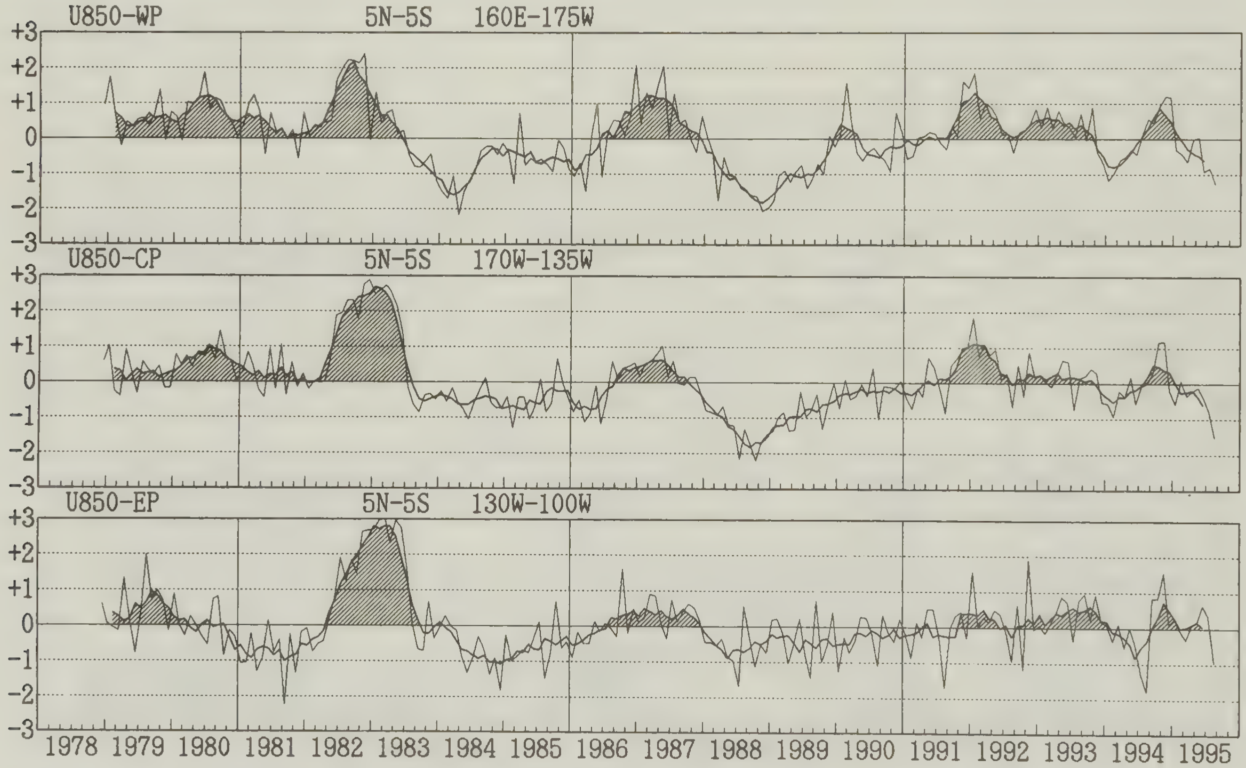
Fig.4 Time series of high-cloud amount index averaged over the area 20° N–10° N, 110° E–140° E (top), 5° N–5° S, 110° E–135° E (middle), and 5° N–5° S, 170° E–170° W (bottom). Thin lines show the monthly mean and thick lines their 5-month running means. Negative anomalies (top, middle) and positive anomalies (bottom) are shaded. Normals and standard deviations are computed from 1978–1990 base periods. Data sources are the Long-range Forecast Division of JMA.

Time Series of Zonal Wind Index



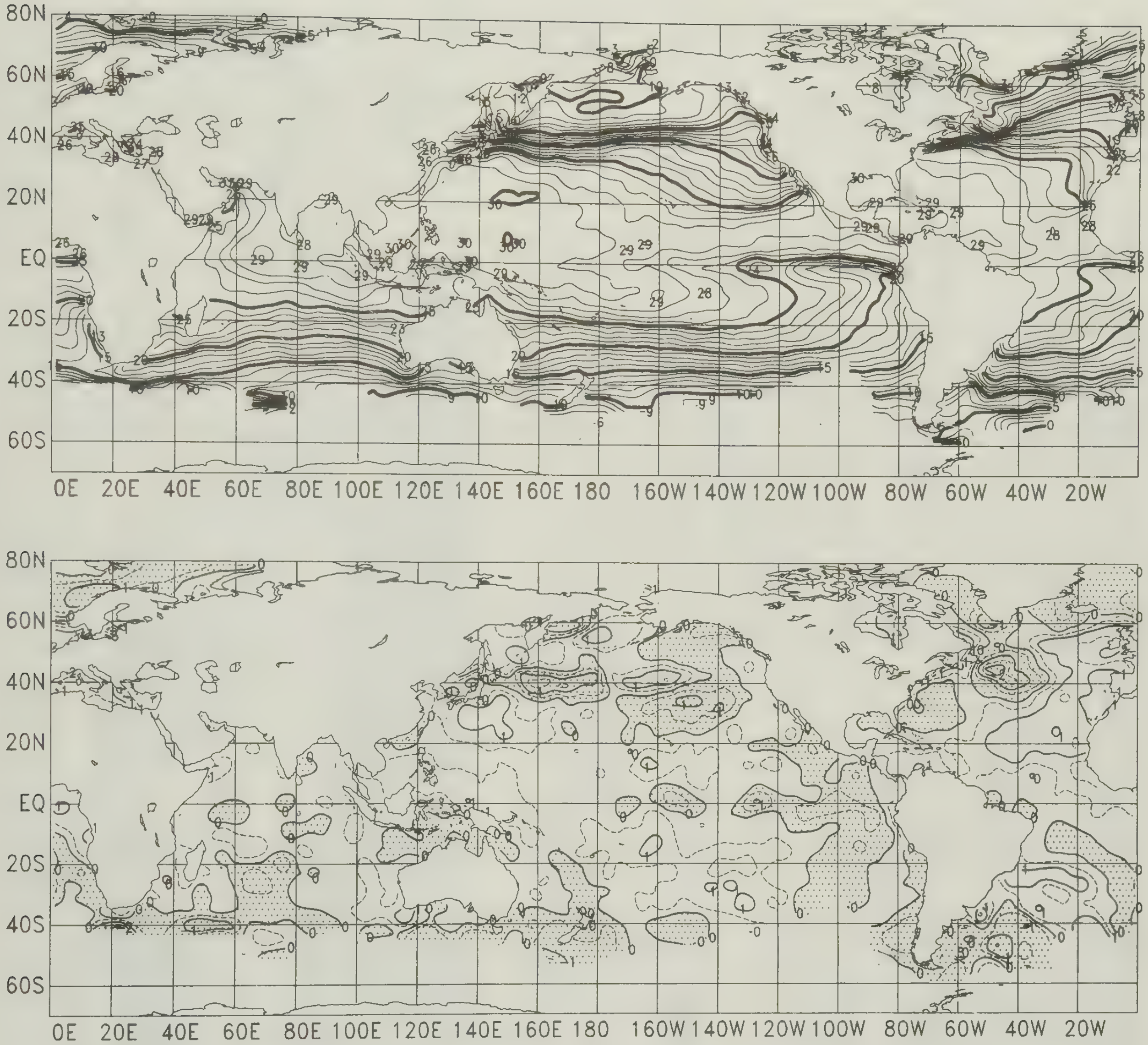
第5図-1　赤道域東西風指数(200ｈＰａ)時系列図

Fig.5−1 Time series of 200hPa zonal wind index averaged over the areas of 5° N−5° S, 80° E−100° E (top), and 5° N−5° S, 180° −125° W (bottom). Thin lines show the monthly mean and thick lines their 5−month running means. Positive anomalies (top) and negative anomalies (bottom) are shaded. Normals and standard deviations are computed from 1979−1990 base periods. Data sources are the Long−range Forecast Division of JMA.



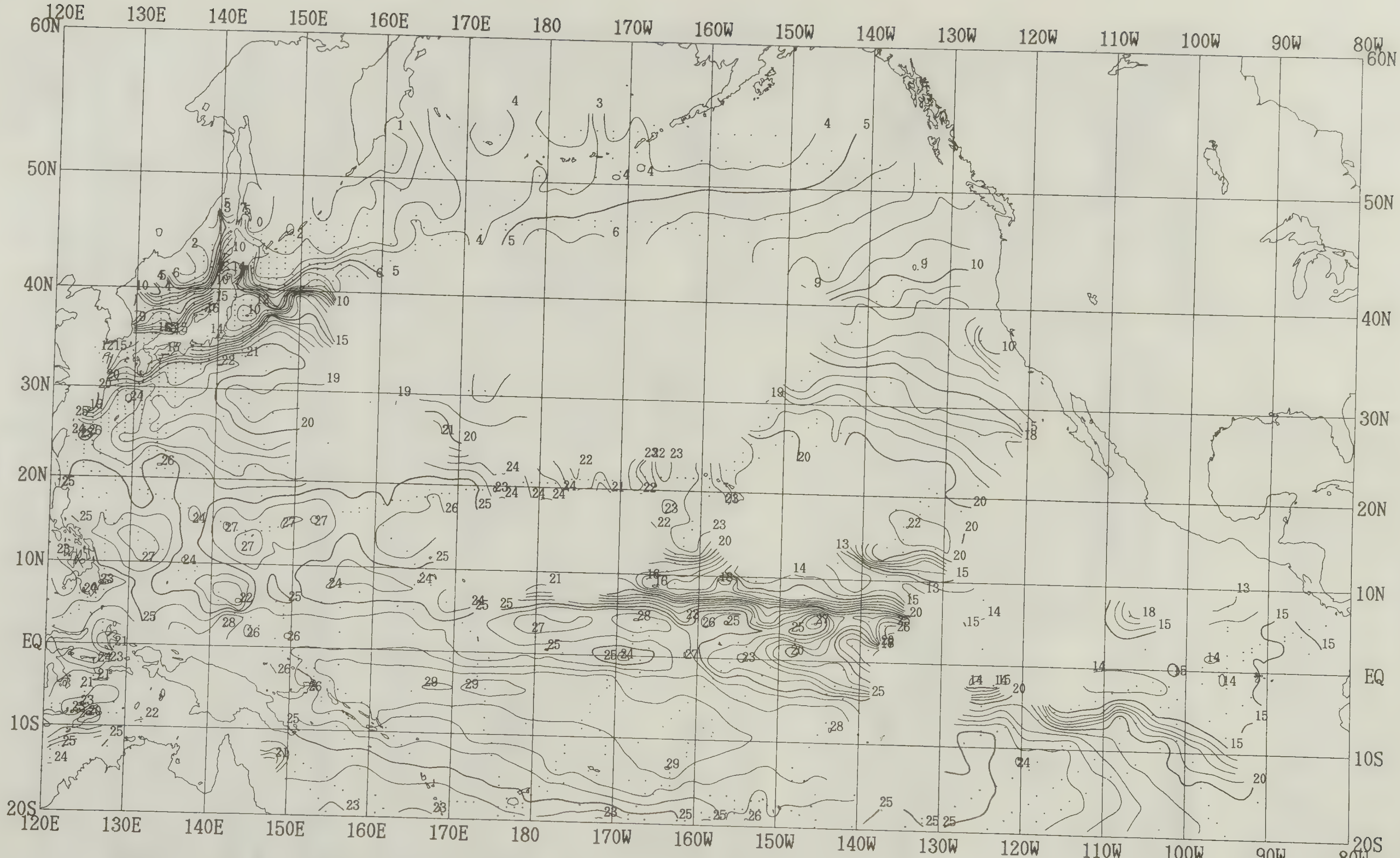
第5図-2　赤道域東西風指数(850ｈＰａ)時系列図

Fig.5−2 Time series of 850hPa zonal wind index averaged over the areas of 5° N−5° S, 160° E−175° W (top), 5° N−5° S, 170° W−135° W (middle), and 5° N−5° S, 130° W−100° W (bottom). Thin lines show the monthly mean and thick lines their 5−month running means. Positive anomalies are shaded. Normals and standard deviations are computed from 1979−1990 base periods. Data sources are the Long−range Forecast Division of JMA.



第6図　全球月平均海面水温図（上）及び偏差図（下）（1995年 8月）

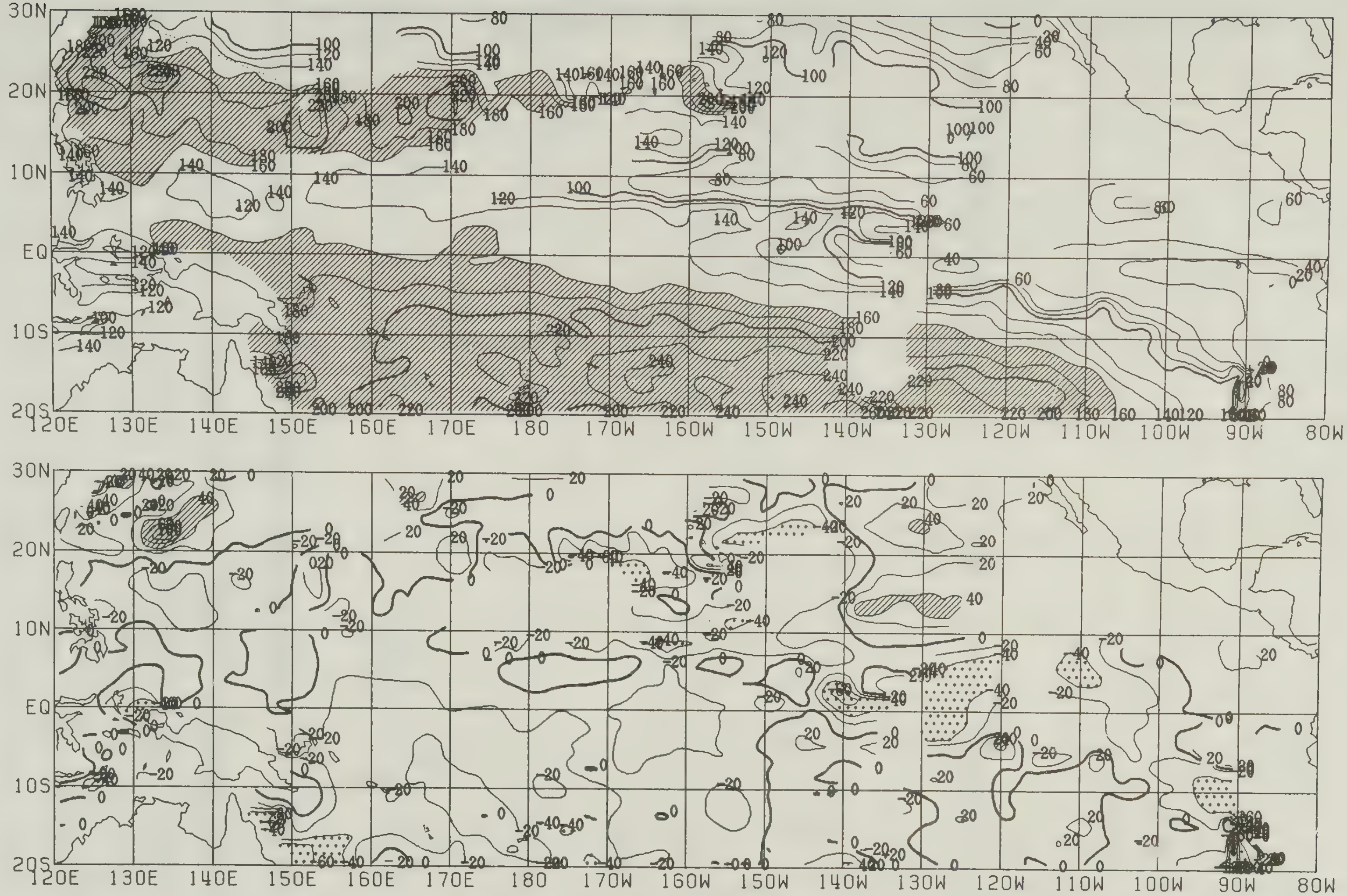
Fig.6 Monthly mean sea surface temperature over the global ocean (top) and anomalies (bottom) for AUG 1995. Anomalies are computed from the JMA climatology (1961–1990) (Marine Department of JMA, 1991, Climatic charts of sea surface temperatures of the western North Pacific and the global ocean). Contour interval is 1°C (top) and additional anomaly contours of ±0.5°C are shown as broken lines. Negative anomalies are spotted. Maximum coverage of sea ice is shaded. Data sources for sea ice are U.S. National Ice Center (polar regions) and JMA (the Sea of Okhotsk).



第7図　太平洋表層水温(深さ100m)図 (1995年 8月)

Fig.7 Subsurface (100m) temperatures in the Pacific Ocean for AUG 1995 . Contour interval is 1° C. Observation points are denoted by dots.

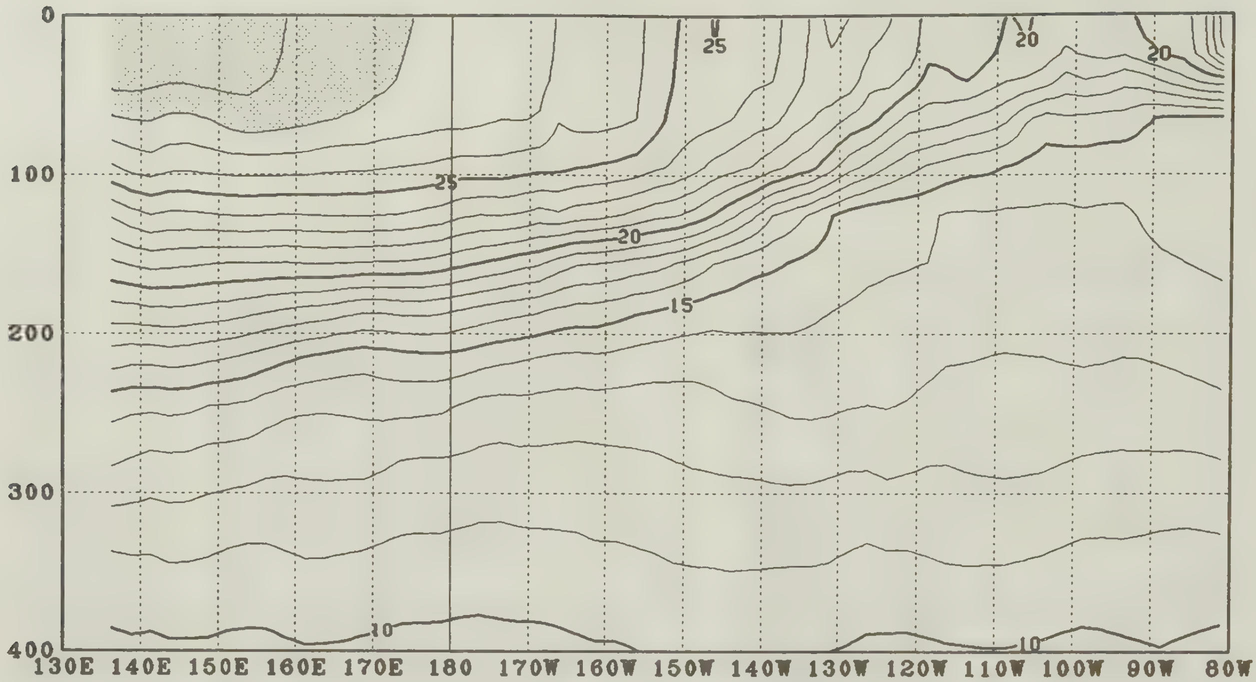
Depth of 20° C & Anomalies in the Pacific Ocean

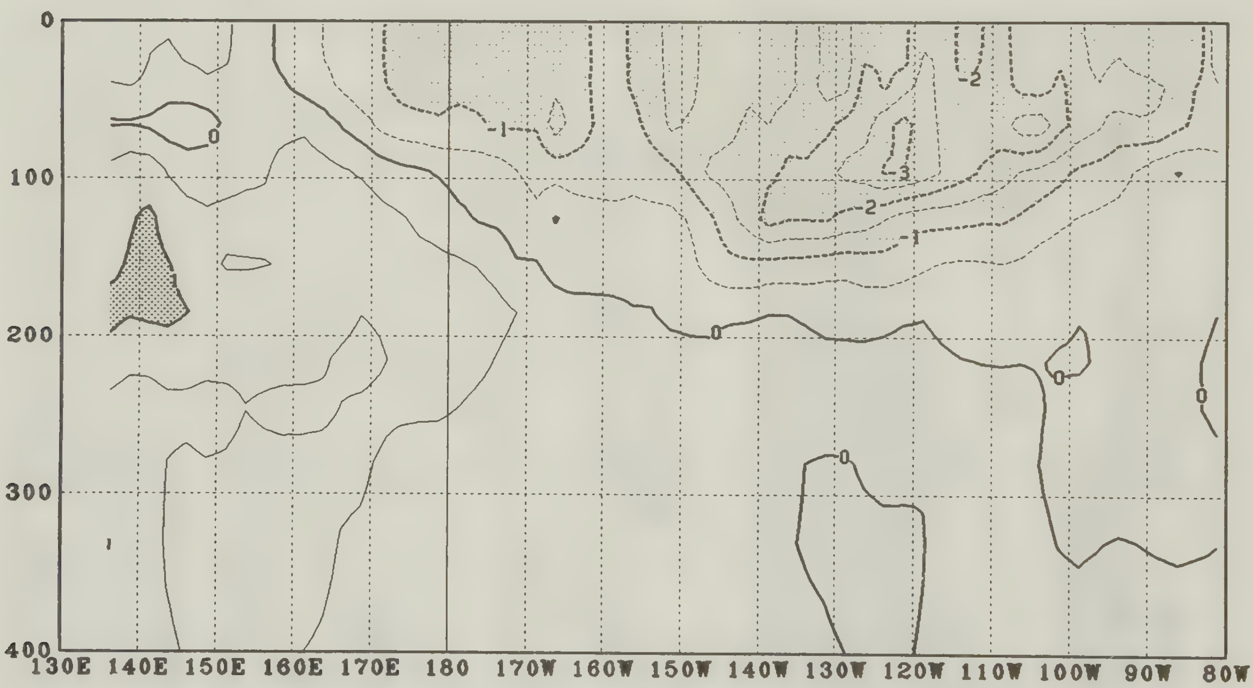


第8図　太平洋表層水温（20℃深度）図（上）及び偏差図（下）（1995年 8月）

Fig.8　Depth of the 20° C isotherm in the Pacific Ocean (top) and anomalies (bottom) for AUG 1995.　Anomalies are computed from the climatology (Levitus, 1982, Climatological Atlas of the World Ocean, NOAA).　Contour interval is 20m.　Values greater than 160m in top panel are shaded.　In bottom panel values greater than +40m are shaded and values less than −40m are spotted.

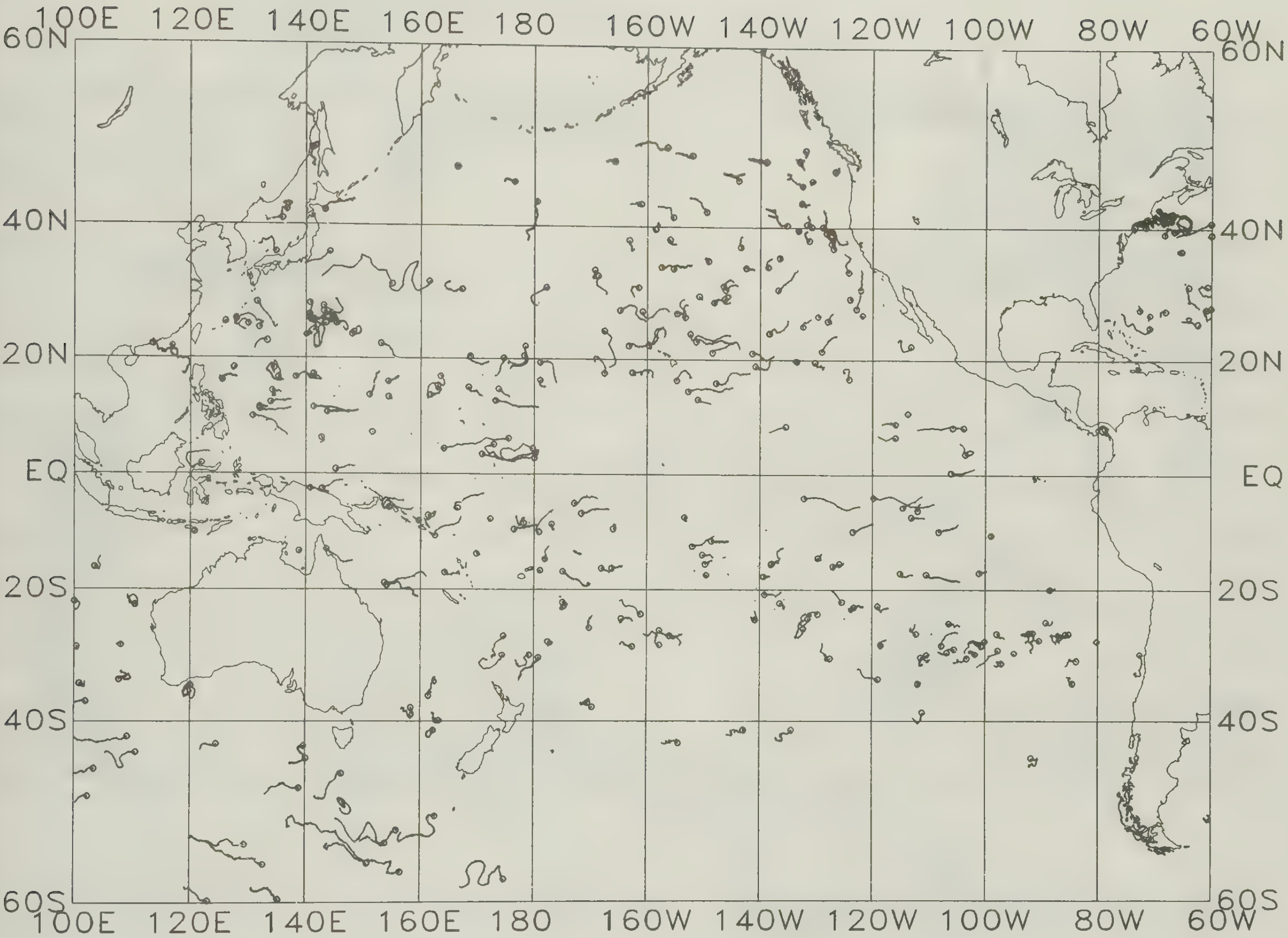
Depth−Longitude Section of Equatorial Temperature & Anomalies





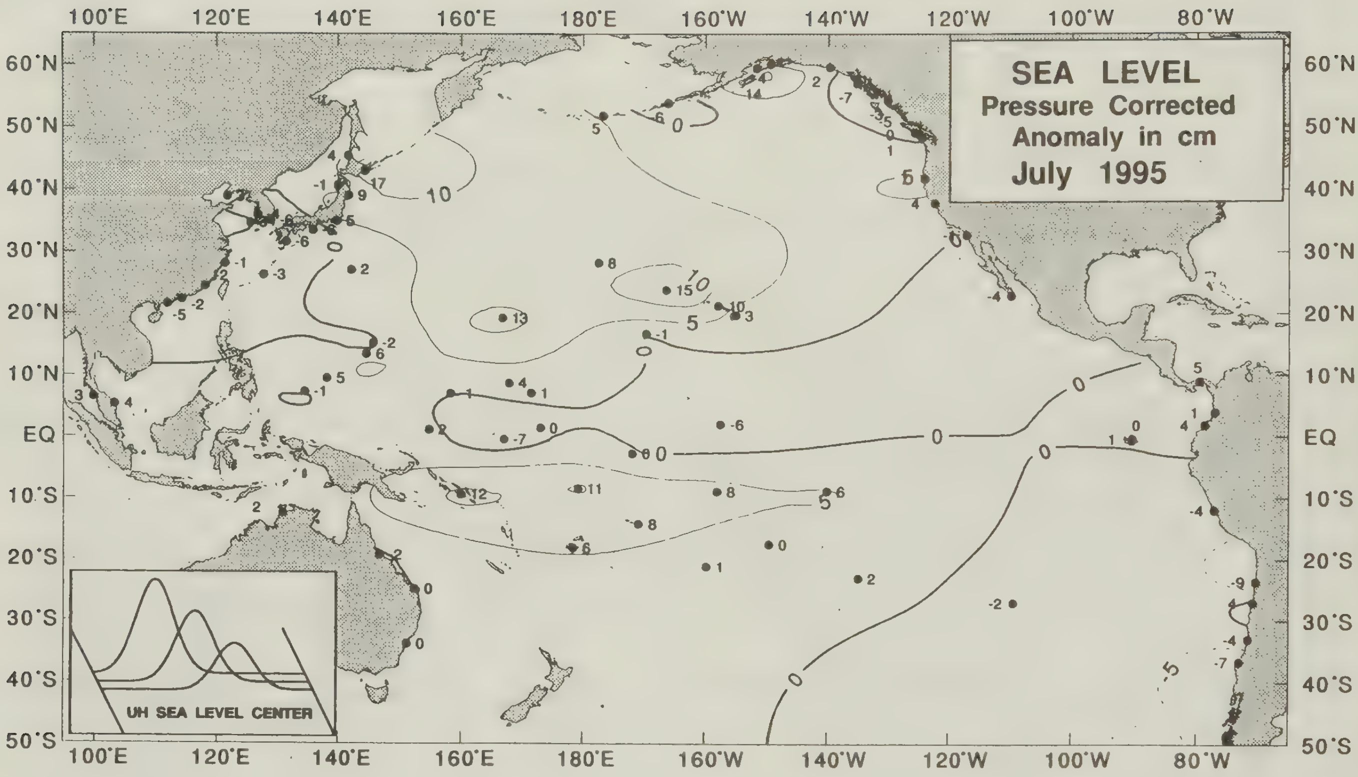
第9図　太平洋赤道に沿う表層水温（上）及び偏差（下）の深度－経度断面図（1995年 8月）

Fig.9 Depth−longitude sections of temperature (top) and anomalies (bottom) along the equator in the Pacific Ocean for AUG 1995. Data are derived from the Ocean Data Assimilation System of JMA. Contour interval is 1° C (top) and 0.5° C (bottom). Values greater than 28° C in top panel are shaded. In bottom panel values greater than 1° C are shaded and values less than −1° C are spotted. Anomalies are computed from 1987−1994 base period means.



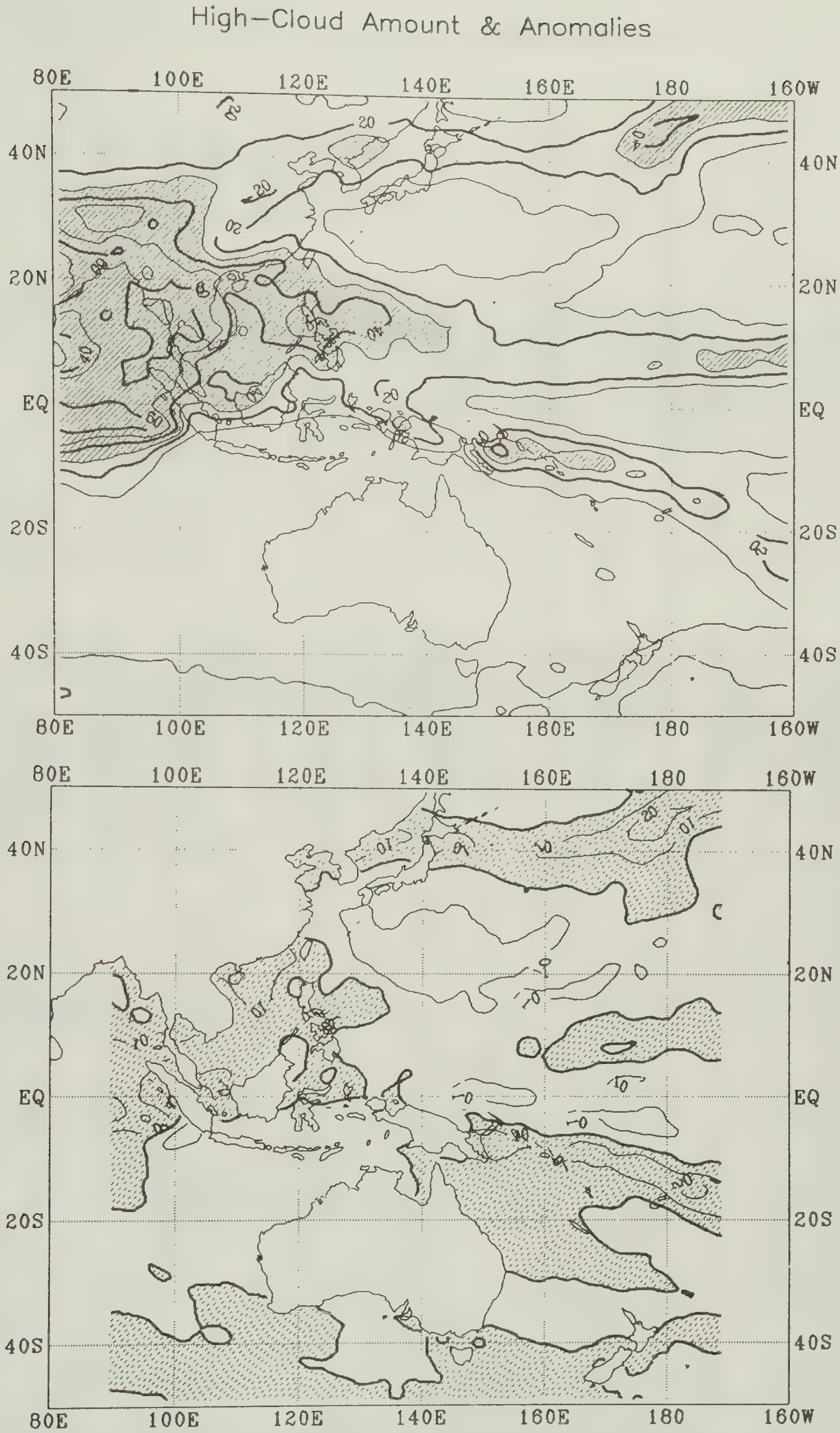
第10図　太平洋ブイ流跡図(1995年 8月)

Fig.10 Movements of drifting buoys in the Pacific Ocean during AUG 1995. Each track is for one buoy. Small circles represent last positions for the month.



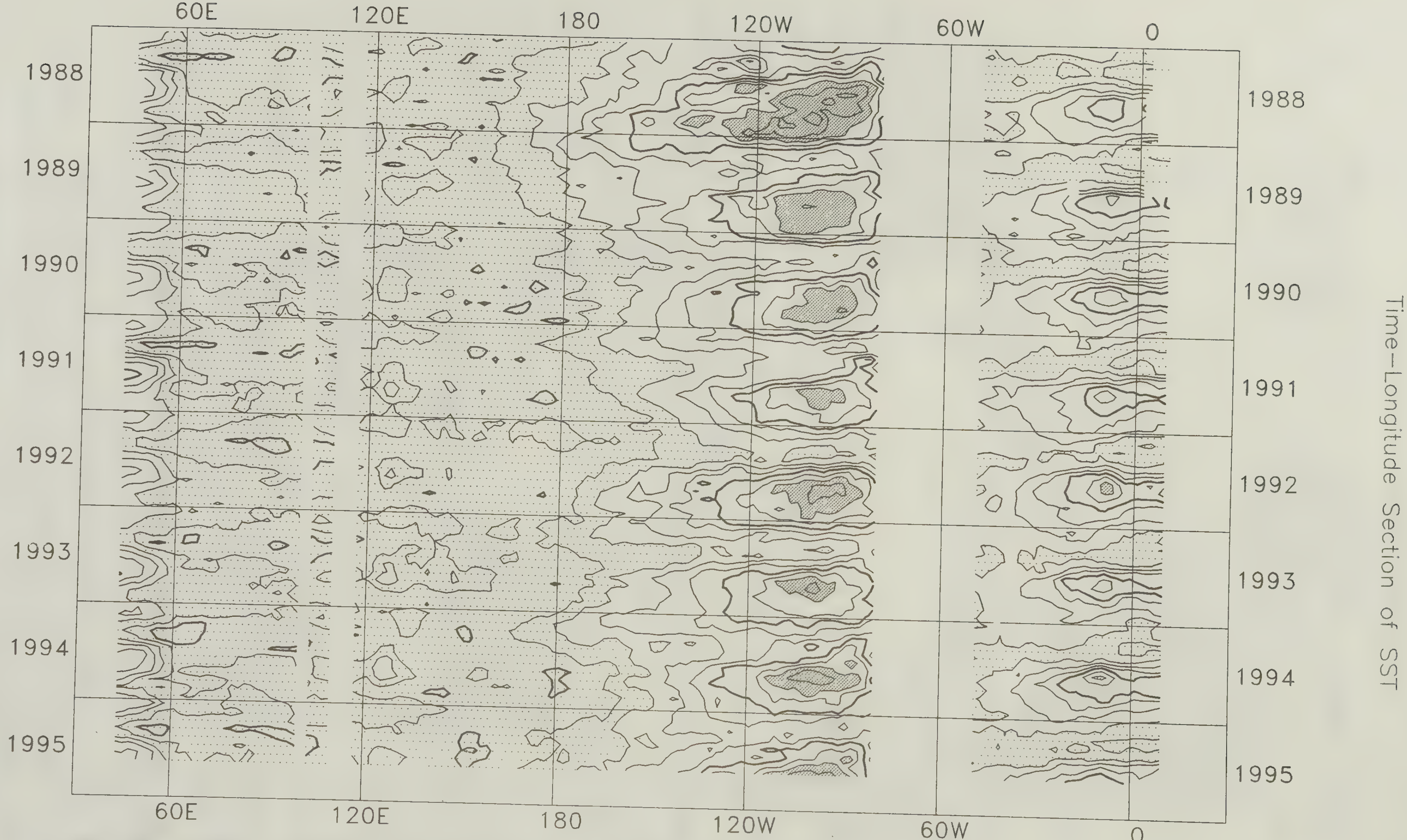
第11図　太平洋海面水位偏差図（ 1995年 7月 ）

Fig.11　Monthly sea level anomalies for JUL 1995 obtained from mean sea level (1975–1986) adjusted for atmospheric pressure.
This figure is prepared by the SOC of ISLP–PAC, Dept. of Oceanography, Univ. of Hawaii.



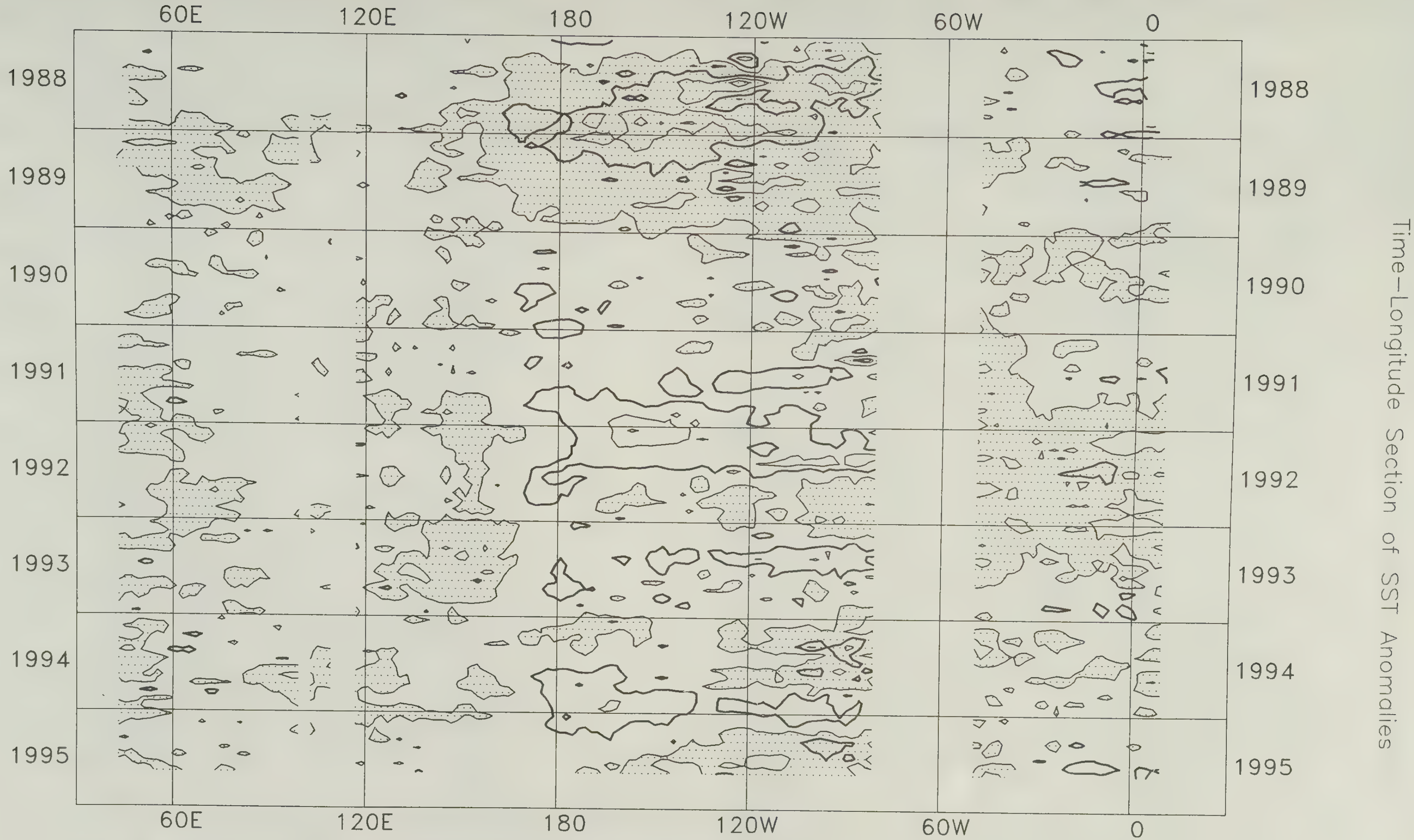
第12図　西太平洋月平均上層雲量分布図及び偏差図（1995年 8月）

Fig.12 Monthly mean of the high-cloud amount (%, top) and its anomalies (%, bottom) in the western Pacific for AUG 1995. Contour interval is 10%. Areas above 30% are shaded (top) and positive anomalies are stippled (bottom). Anomalies are computed from 1978-1990 base period means. Figures are prepared by the Long-range Forecast Division of JMA.



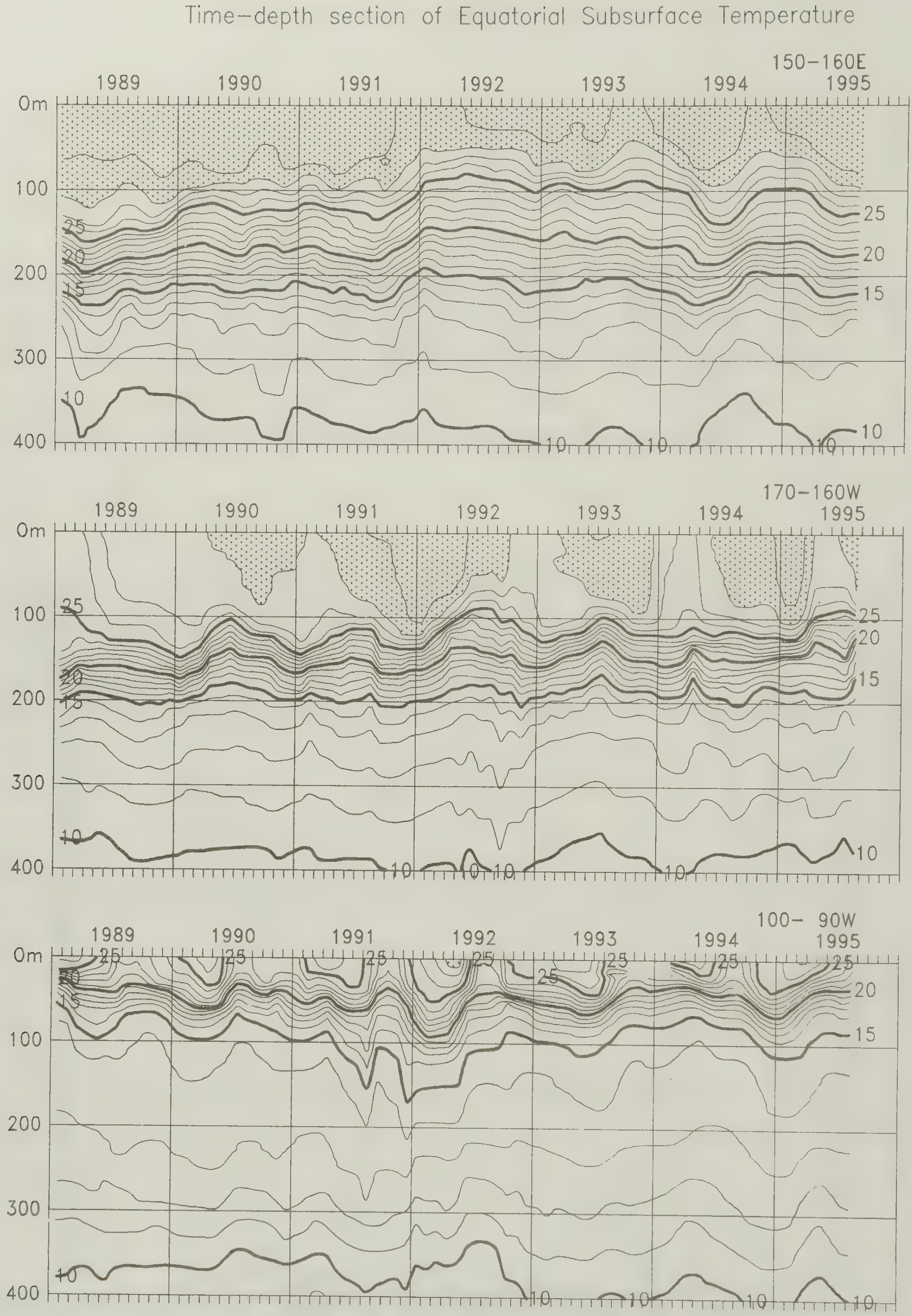
第13図　赤道に沿う海面水温の時間－経度断面図

Fig.13 Time-longitude section of SSTs along the equator (2° N–2° S) in the global ocean. Contour interval is 1° C, with thick contour lines at 25 and 30° C. SST values greater than 28° C are spotted and values less than 23° C are shaded.



第14図　赤道に沿う海面水温偏差の時間－経度断面図

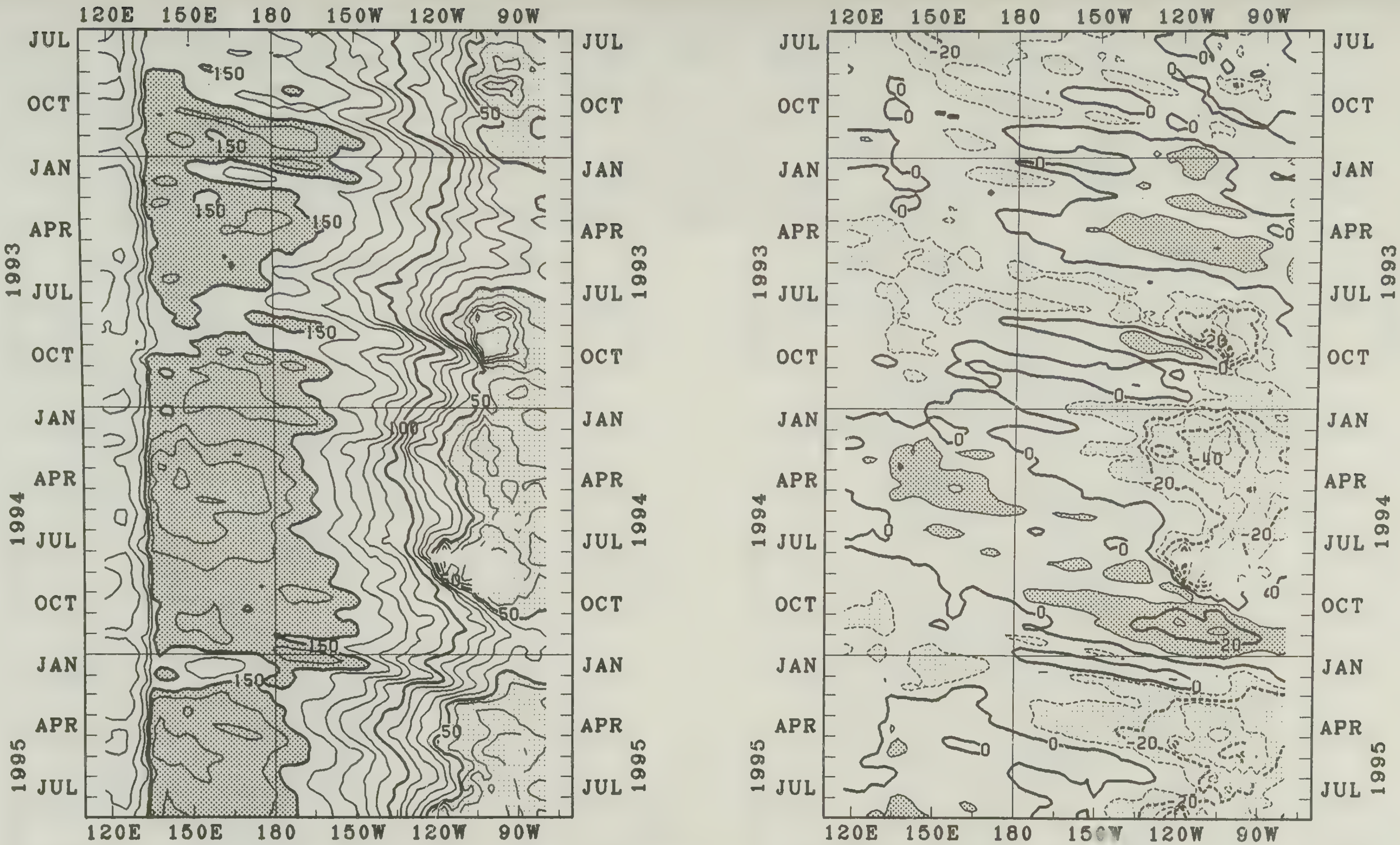
Fig.14 Time-longitude section of SST anomalies along the equator (2° N-2° S) computed from the JMA climatology (1961-1990). Contour interval is 1° C, with thick contour lines at +1° C and -1° C. Negative anomalies are spotted.



第15図　太平洋赤道域の表層水温の時間－深度断面図
（上：西部、中：中部、下：東部）

Fig.15 Time–depth section of equatorial (2° N–2° S) subsurface temperature for the western Pacific (top, 150–160° E), the central Pacific (middle, 170–160° W) and the eastern Pacific (bottom, 100–90° W). Contour interval is 1° C. Values greater than 28° C are shaded.

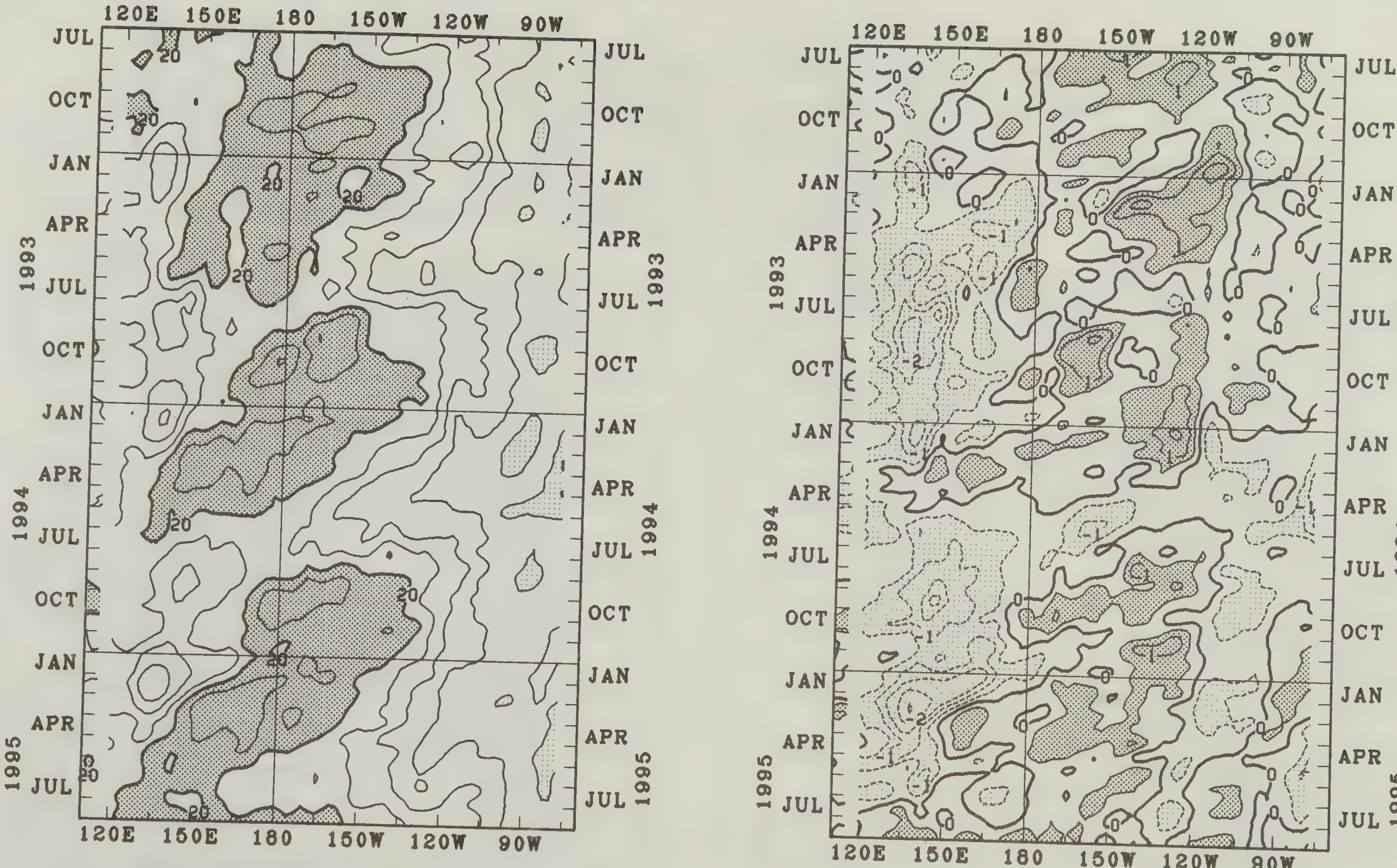
Time-Longitude Section of Depth of 20° C & Anomalies



第16図　太平洋の赤道に沿う20℃深度（左）及び偏差（右）の時間－経度断面図

Fig.16 Time-longitude sections of depth of the 20° C isotherm along the equator (left) and anomalies (right) in the Pacific Ocean. Data are derived from the Ocean Data Assimilation System of JMA. Contour interval is 10m. Values in left panel greater than 150m are shaded and values less than 50m are spotted. Dashed contours in right panel indicate negative anomalies. Anomalies are computed from 1987-1994 base period means.

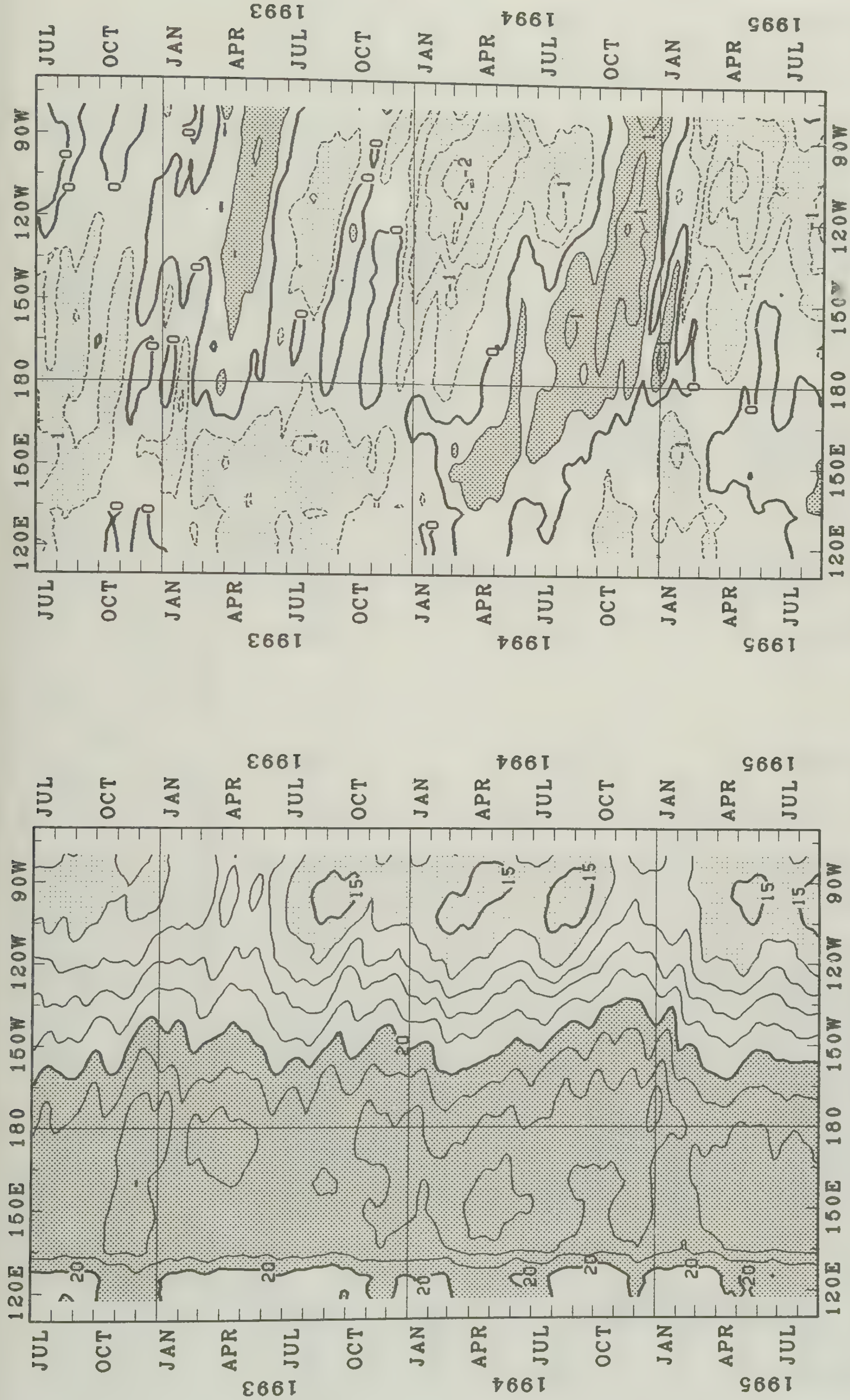
Time–Longitude Section of Ocean Heat Content & Anomalies (6° N)



第17図　太平洋の北緯6度線に沿う海洋表層の貯熱量（左）及び偏差（右）の時間－経度断面図

Fig.17 Time–longitude sections of ocean heat content in the upper 260m along 6° N (left) and anomalies (right) in the Pacific Ocean. Data are derived from an Ocean Data Assimilation System of JMA. Contour interval is 1° C (left) and 0.5° C (right). Values in the left panel greater than 20° C are shaded and values less than 16° C are spotted. Dashed contours in right panel indicate negative anomalies. Anomalies are computed from 1987–1994 base period means.

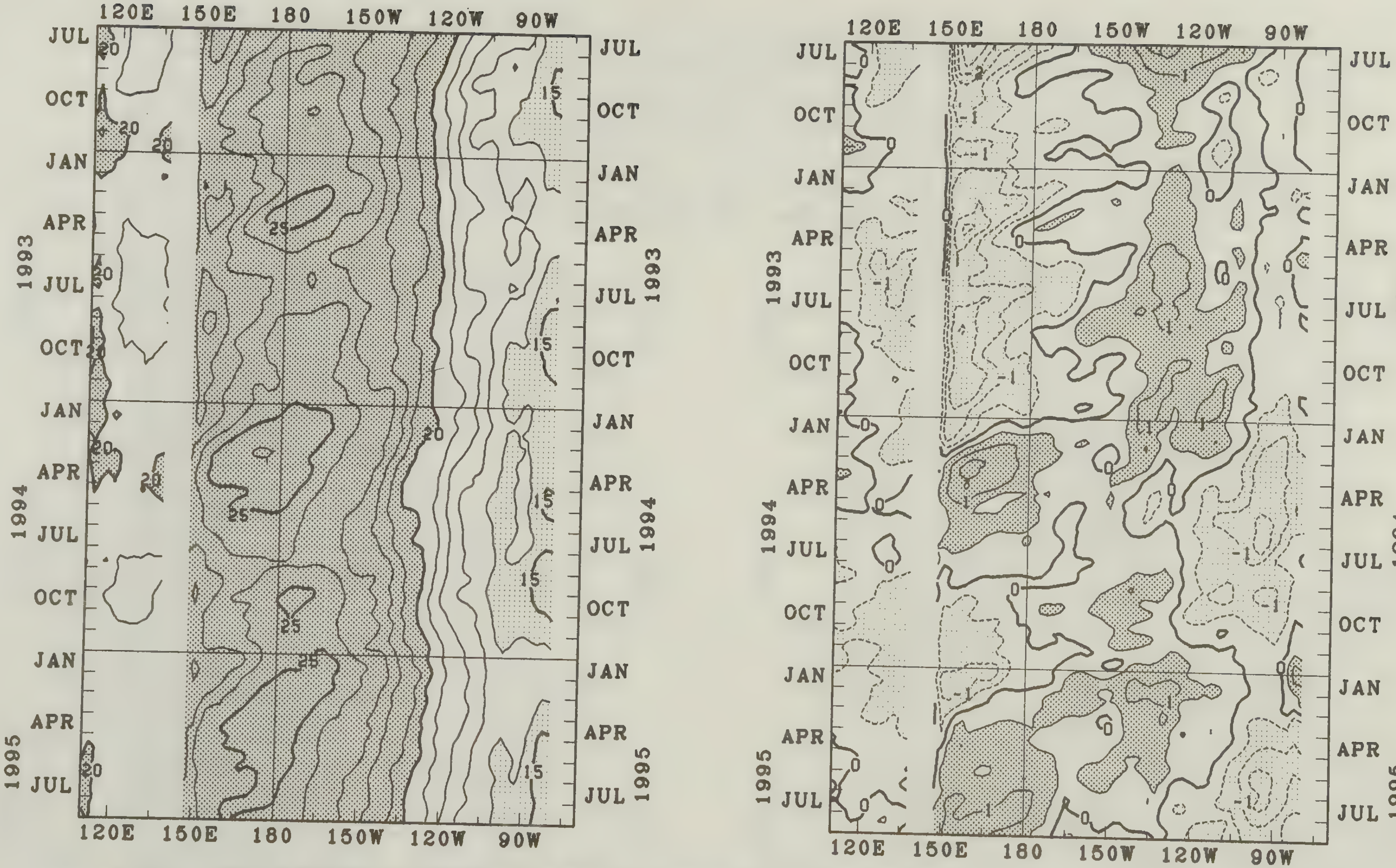
Time–Longitude Section of Ocean Heat Content & Anomalies (Eq.)



第18図　太平洋の赤道に沿う海洋表層の貯熱量（左）及び偏差（右）の時間－経度断面図

Fig.18 Time–longitude sections of ocean heat content in the upper 260m along the equator (left) and anomalies (right) in the Pacific Ocean. Data are derived from the Ocean Data Assimilation System of JMA. Contour interval is 1° C (left) and 0.5° C (right). Values in the left panel greater than 20° C are shaded and values less than 16° C are spotted. Dashed contours in right panel indicate negative anomalies. Anomalies are computed from 1987–1994 base period means.

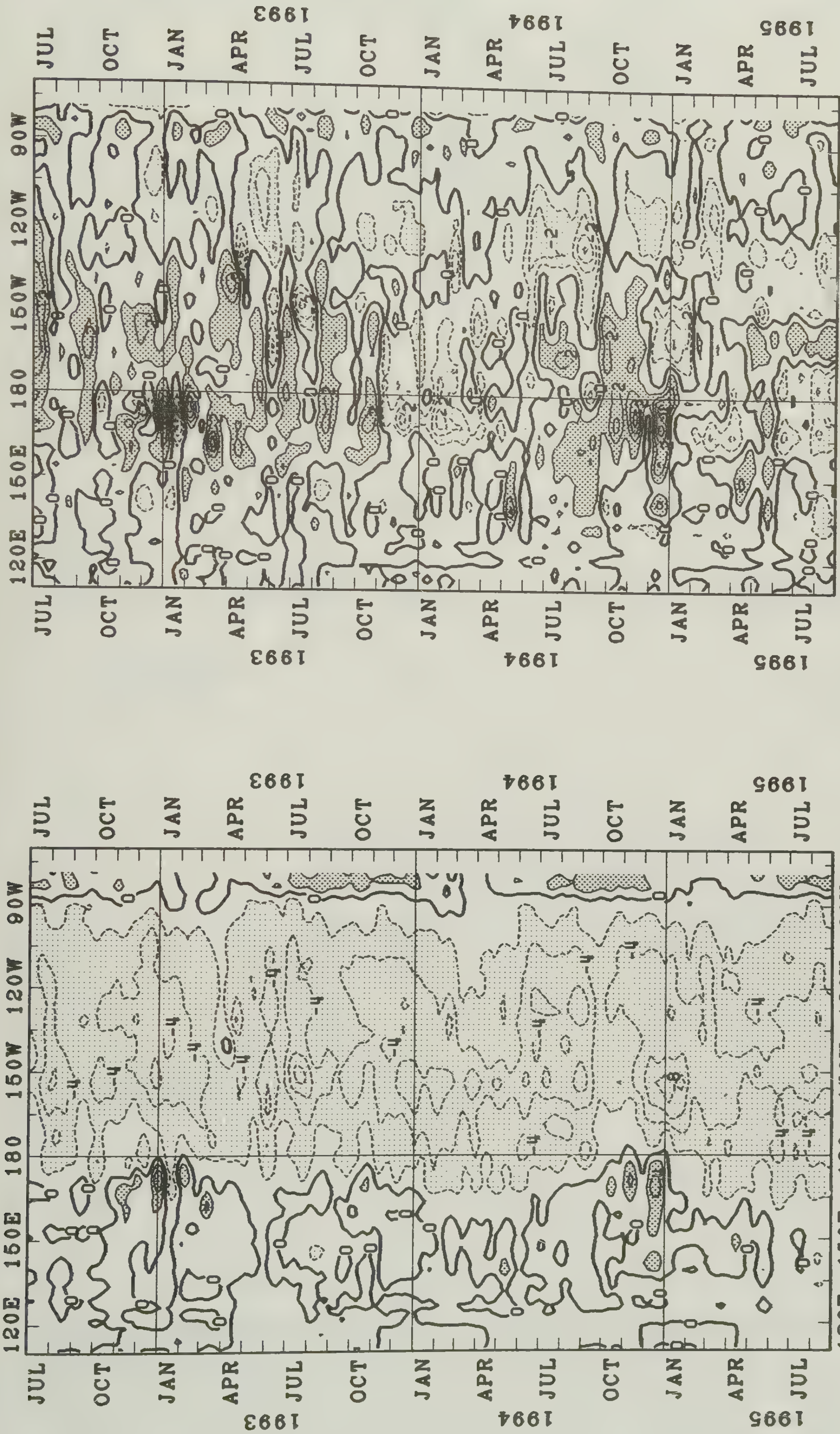
Time—Longitude Section of Ocean Heat Content & Anomalies (6° S)



第19図　太平洋の南緯6度線に沿う海洋表層の貯熱量（左）及び偏差（右）の時間－経度断面図

Fig.19 Time—longitude sections of ocean heat content in the upper 260m along 6° S (left) and anomalies (right) in the Pacific Ocean. Data are derived from the Ocean Data Assimilation System of JMA. Contour interval is 1° C (left) and 0.5° C (right). Values in the left panel greater than 20° C are shaded and values less than 16° C are spotted. Dashed contours in right panel indicate negative anomalies. Anomalies are computed from 1987—1994 base period means.

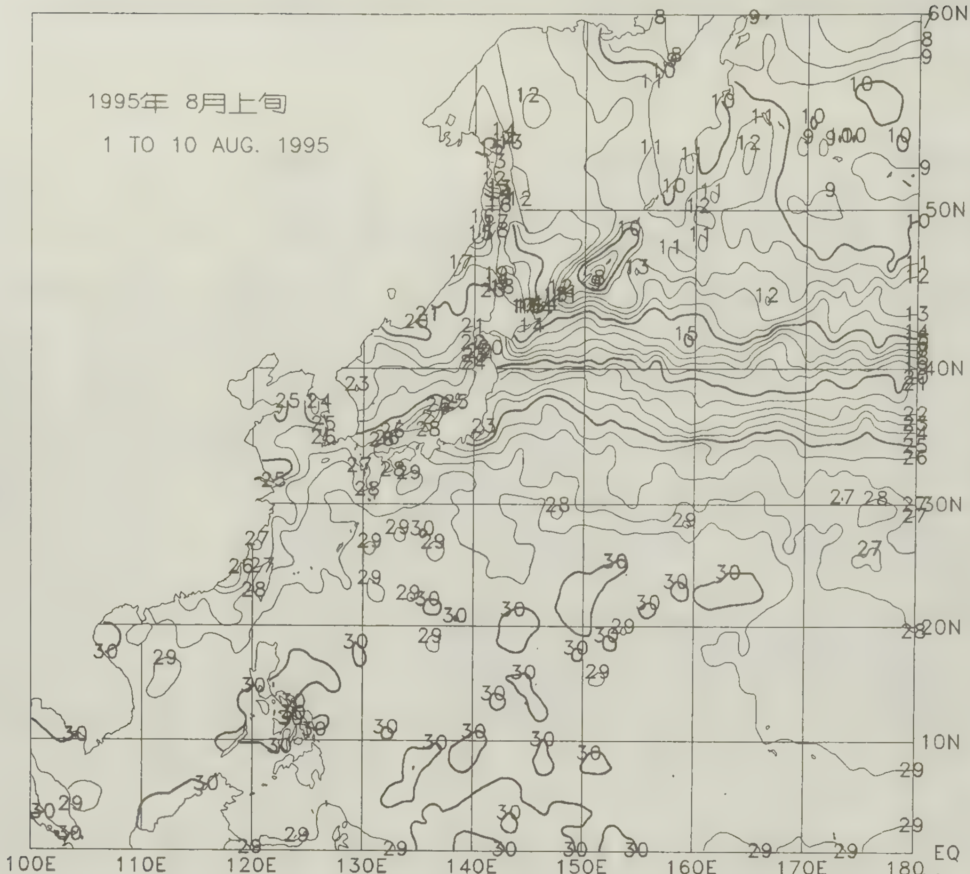
Time–Longitude Section of Surface Zonal Wind Stress & Anomalies



第20図　太平洋の赤道に沿う海面の風応力の東西成分（左）及び偏差（右）の時間－経度断面図

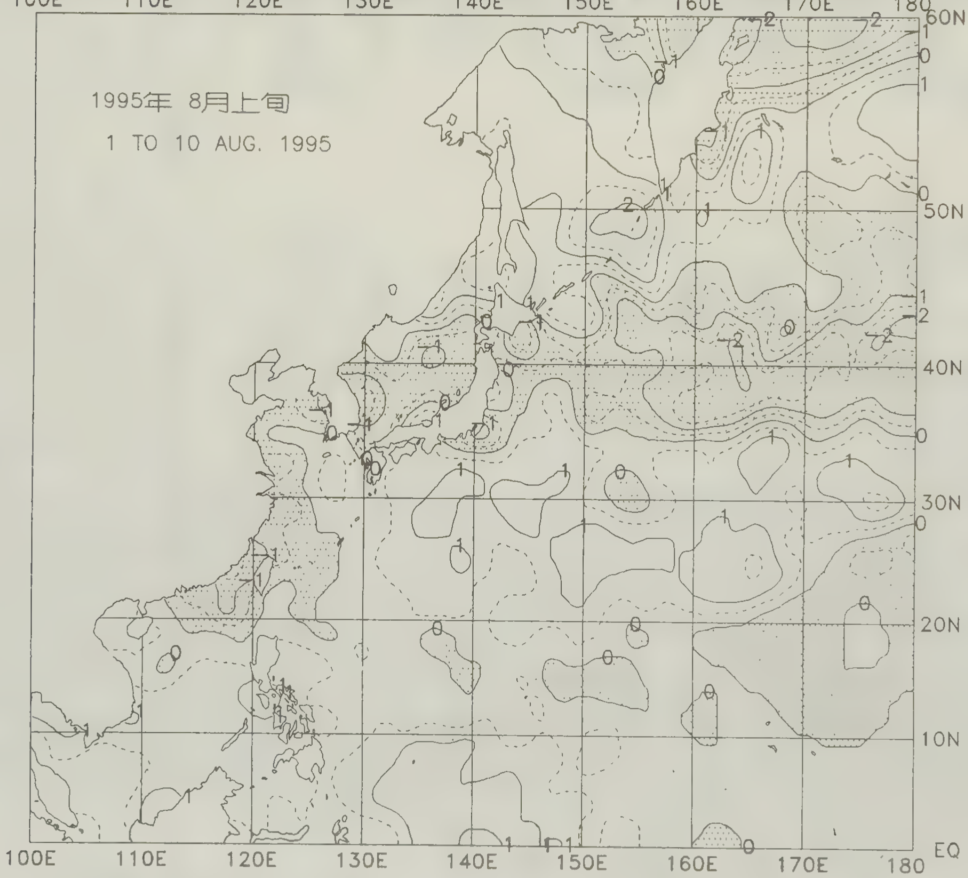
Fig.20 Time–longitude sections of surface zonal wind stress along the equator (left) and anomalies (right) in the Pacific Ocean. Data are derived from the Atmospheric Global Data Assimilation System of JMA. Contour interval is 0.02N/m2 (left) and 0.01N/m2 (right). Dashed contours indicate easterlies (left) and easterly anomalies (right). Anomalies are computed from 1987–1994 base period means.

Ten-day mean SST & Anomalies



旬平均沿岸水温(℃)
Coastal Water Temperature

地点名 (Index Number)	水温 Temp.	偏差 Anom.
石垣島(47918)	29.0	−0.1
御前崎(47655)	25.0	−0.9
八丈島(47678)	27.8	+1.1
小名浜(47598)	21.5	+1.1
宮　古(47585)	19.3	+0.7
江　差(47428)	21.4	−
浜　田(47755)	28.9	−



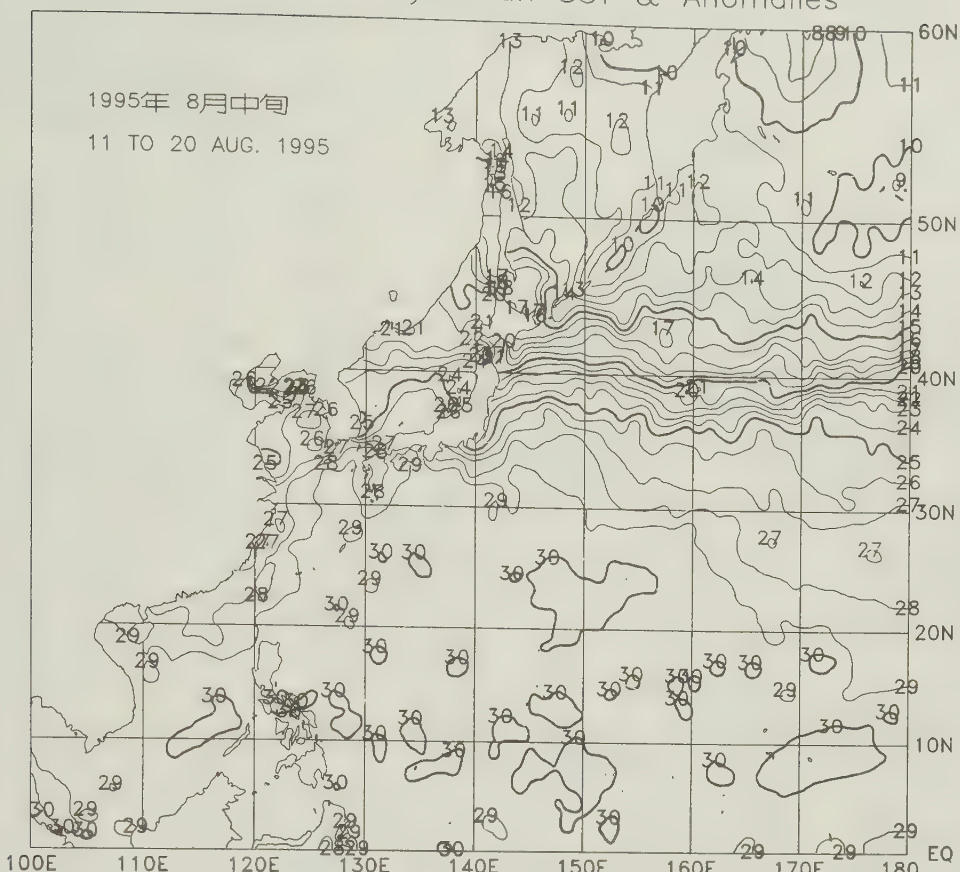
海洋気象ブイロボット
旬平均海面水温(℃)
Ocean Data Buoy SST

日本海	37.9N,134.5E	24.7
四国沖	29.0N,135.0E	29.9
東シナ海	28.2N,126.3E	29.2

第21図 北西太平洋旬平均海面水温図(上)及び偏差図(下)(1995年 8月上旬)

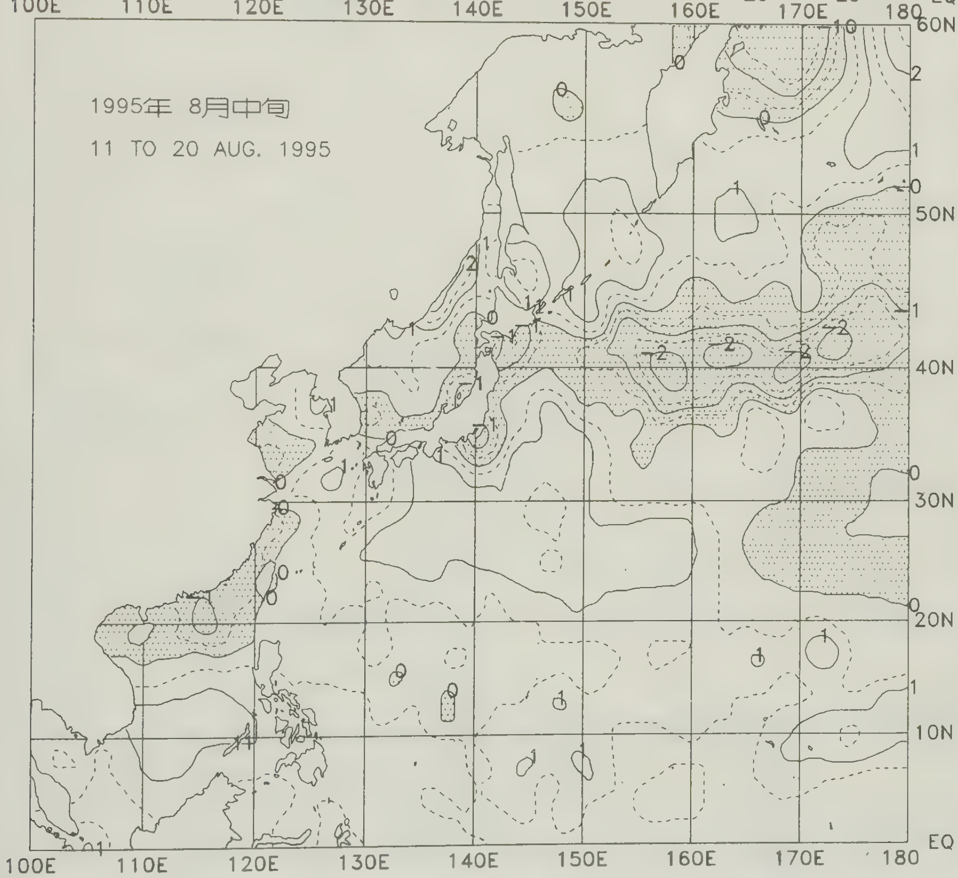
Fig.21 Ten-day mean SSTs in the western North Pacific (top) and anomalies (bottom) for the 1st ten-day period in AUG 1995. Anomalies are computed from the JMA climatology (1961−90). Contour interval is 1° C and additional anomaly contours of 0.5° C are shown as broken lines. Negative anomalies are spotted.

Ten-day mean SST & Anomalies



旬平均沿岸水温(℃)
Coastal Water Temperature

地点名 (Index Number)	水温 Temp.	偏差 Anom.
石垣島(47918)	29.4	+0.5
御前崎(47655)	24.9	−1.6
八丈島(47678)	27.8	+0.7
小名浜(47598)	22.9	+1.5
宮 古(47585)	19.5	0.0
江 差(47428)	22.5	−
浜 田(47755)	29.5	−



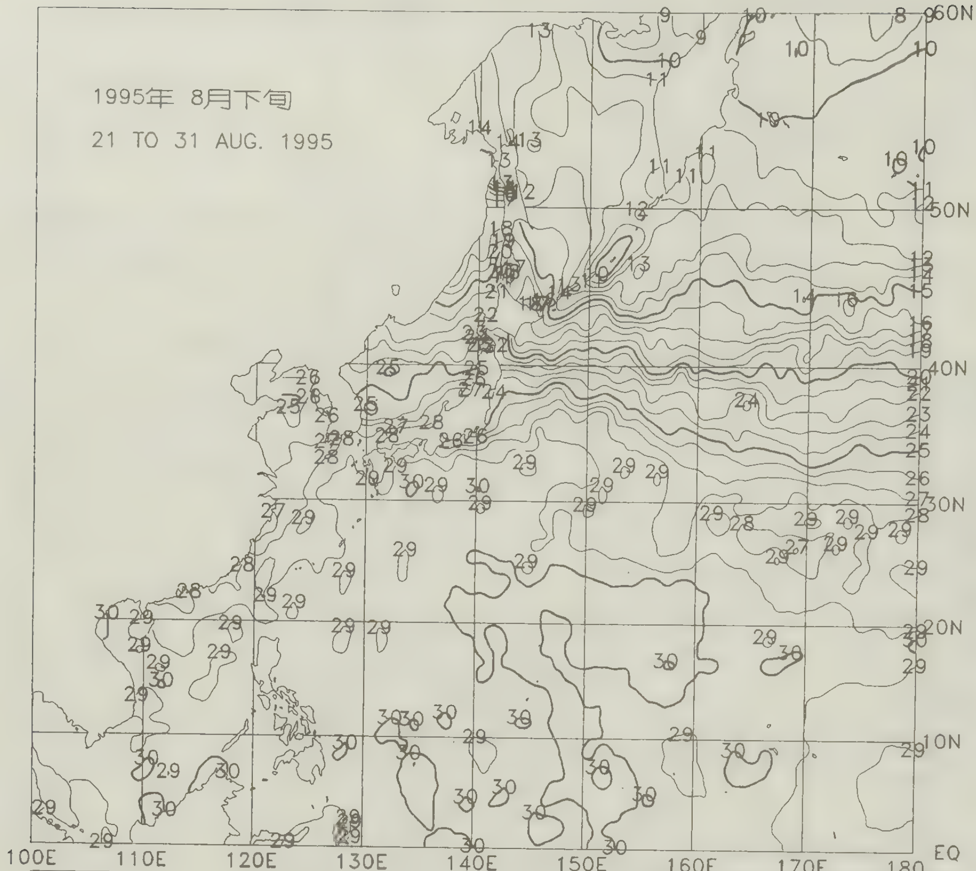
海洋気象ブイロボット
旬平均海面水温(℃)
Ocean Data Buoy SST

日本海	37.9N,134.5E	26.2
四国沖	29.0N,135.0E	30.2
東シナ海	28.2N,126.3E	29.6

第22図 北西太平洋旬平均海面水温図(上)及び偏差図(下)(1995年 8月中旬)

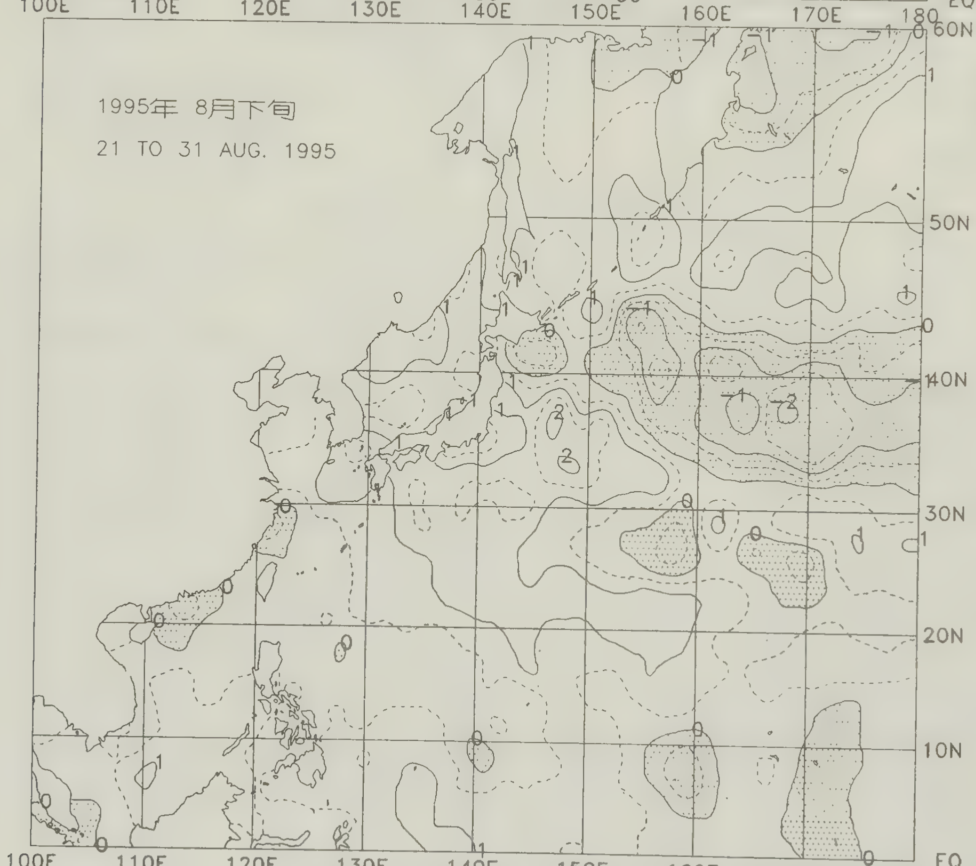
Fig.22 Ten-day mean SSTs in the western North Pacific (top) and anomalies (bottom) for the 2nd ten-day period in AUG 1995. Anomalies are computed from the JMA climatology (1961–90). Contour interval is 1° C and additional anomaly contours of 0.5° C are shown as broken lines. Negative anomalies are spotted.

Ten−day mean SST & Anomalies



旬平均沿岸水温(℃)
Coastal Water Temperature

地点名 (Index Number)	水温 Temp.	偏差 Anom.
石垣島(47918)	29.2	+0.4
御前崎(47655)	24.8	−1.2
八丈島(47678)	27.9	+0.9
小名浜(47598)	22.7	+0.5
宮　古(47585)	21.6	+1.7
江　差(47428)	23.1	−
浜　田(47755)	29.4	−

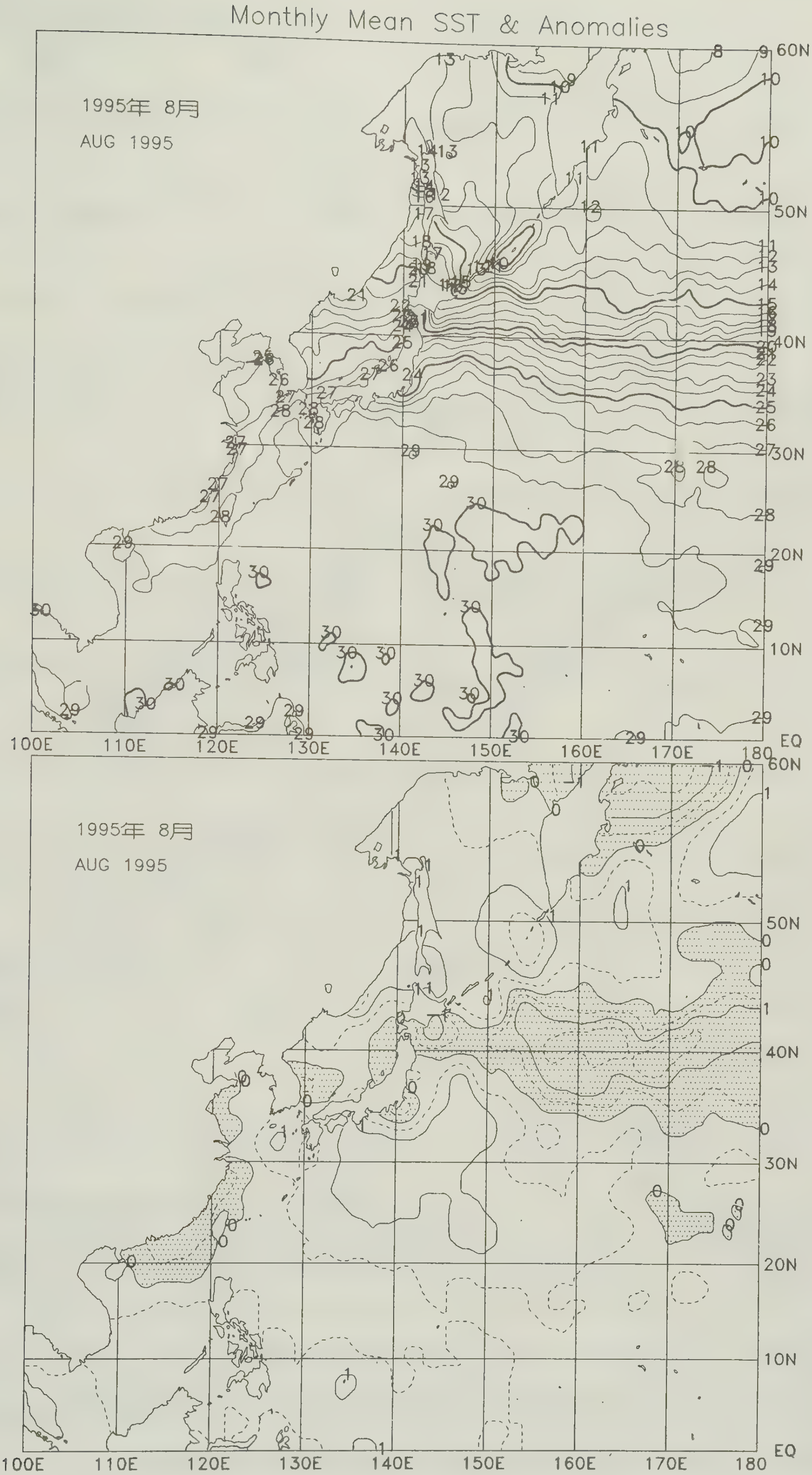


海洋気象ブイロボット
旬平均海面水温(℃)
Ocean Data Buoy SST

地点	位置	水温
日本海	37.9N,134.5E	25.5
四国沖	29.0N,135.0E	30.4
東シナ海	28.2N,126.3E	28.7

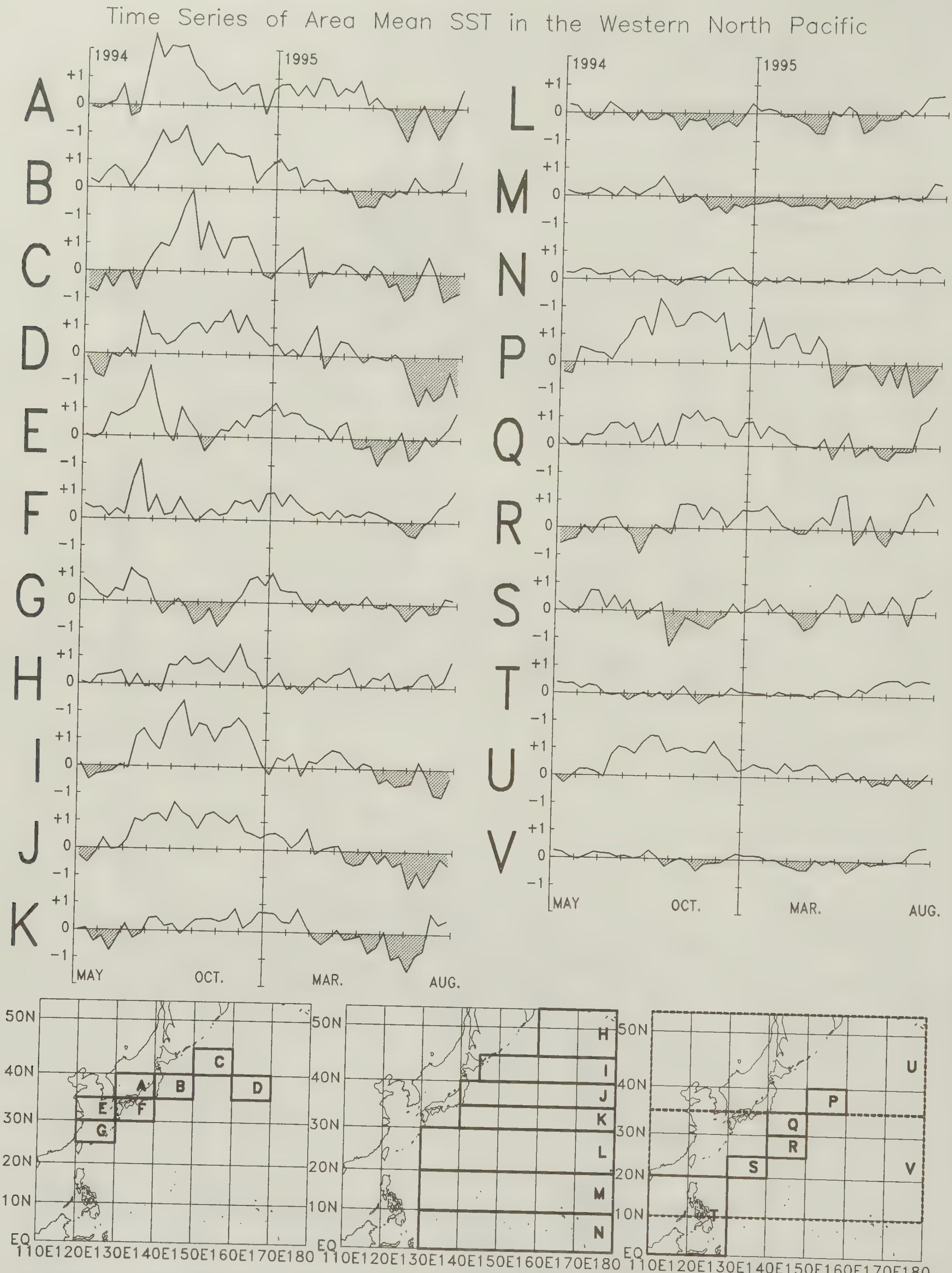
第23図 北西太平洋旬平均海面水温図(上)及び偏差図(下)(1995年 8月下旬)

Fig.23 Ten−day mean SSTs in the western North Pacific (top) and anomalies (bottom) for the 3rd ten−day period in AUG 1995. Anomalies are computed from the JMA climatology (1961−90). Contour interval is 1°C and additional anomaly contours of 0.5°C are shown as broken lines. Negative anomalies are spotted.



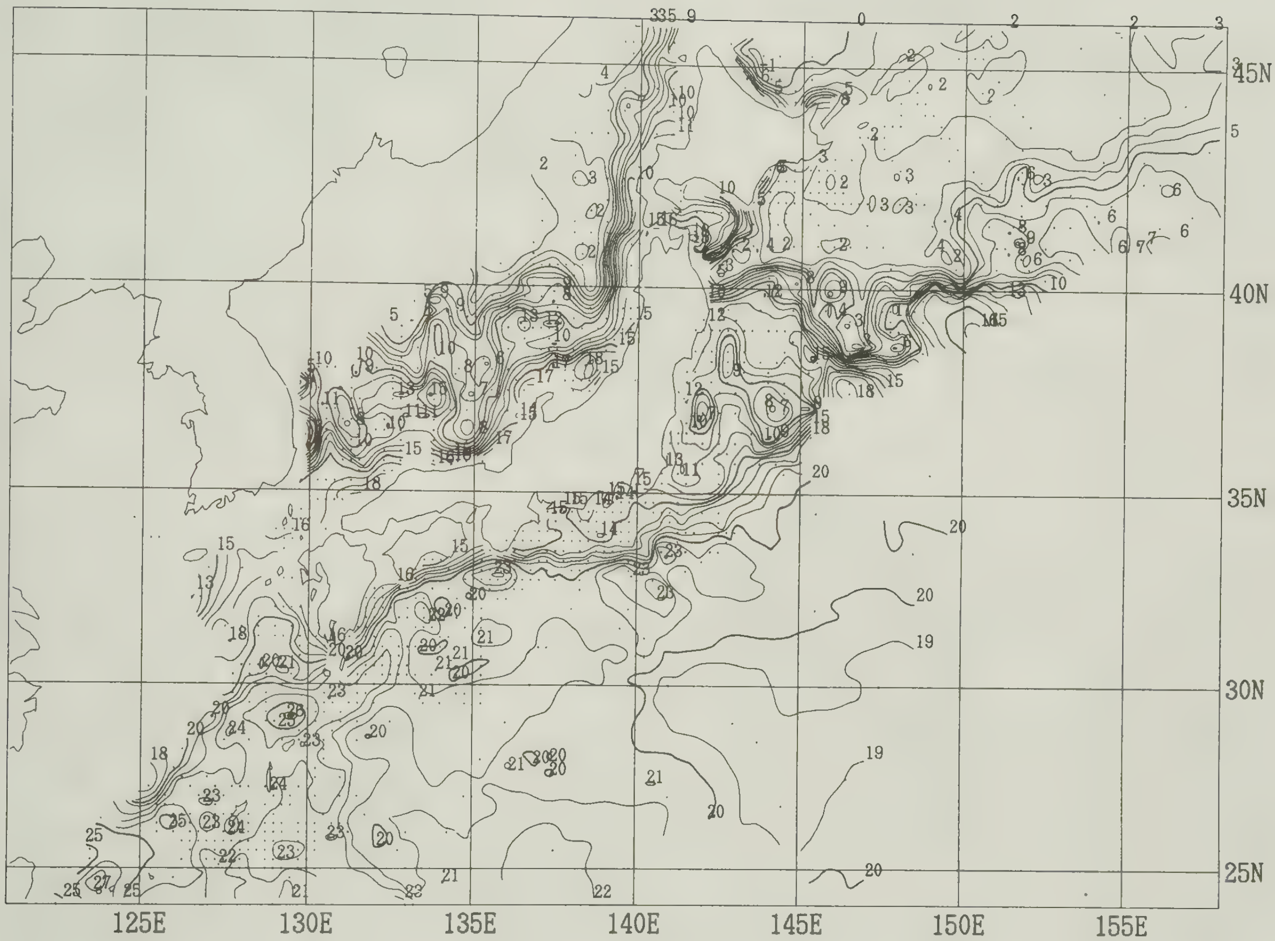
第24図 北西太平洋月平均海面水温図(上)及び偏差図(下)(1995年 8月)

Fig.24 Monthly mean SSTs in the western North Pacific (top) and anomalies (bottom) for AUG 1995. Anomalies are computed from the JMA climatology (1961–1990). Contour interval is 1° C and additional anomaly contours of 0.5° C are shown as broken lines. Negative anomalies are spotted.



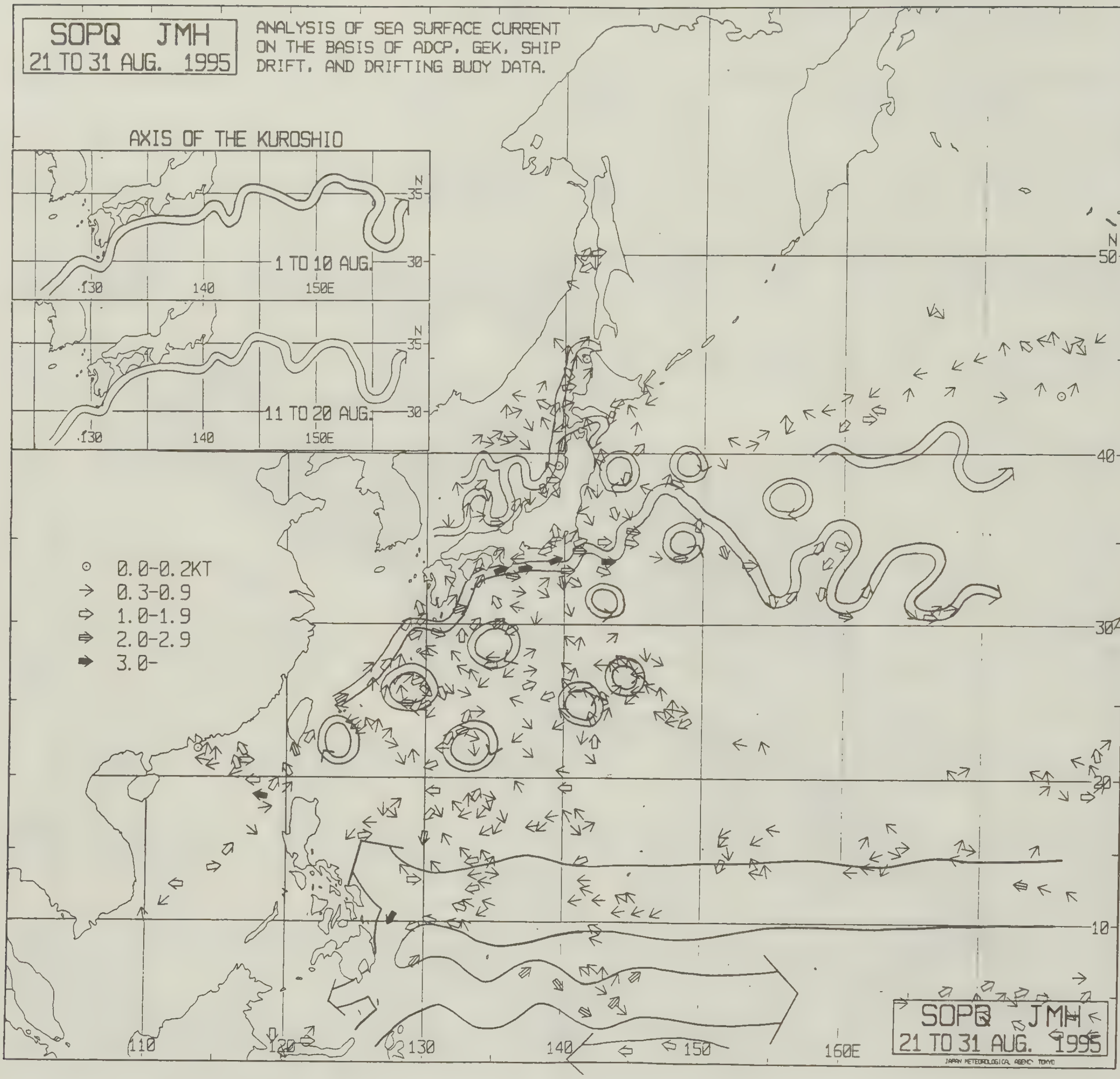
第25図　北西太平洋旬平均海面水温平年偏差時系列図

Fig.25 Time series of the ten−day mean sea surface temperature anomalies (° C) in the western North Pacific for the areas indicated at the bottom. Negative anomalies are shaded. Anomalies are computed from the JMA climatology (1961−90).



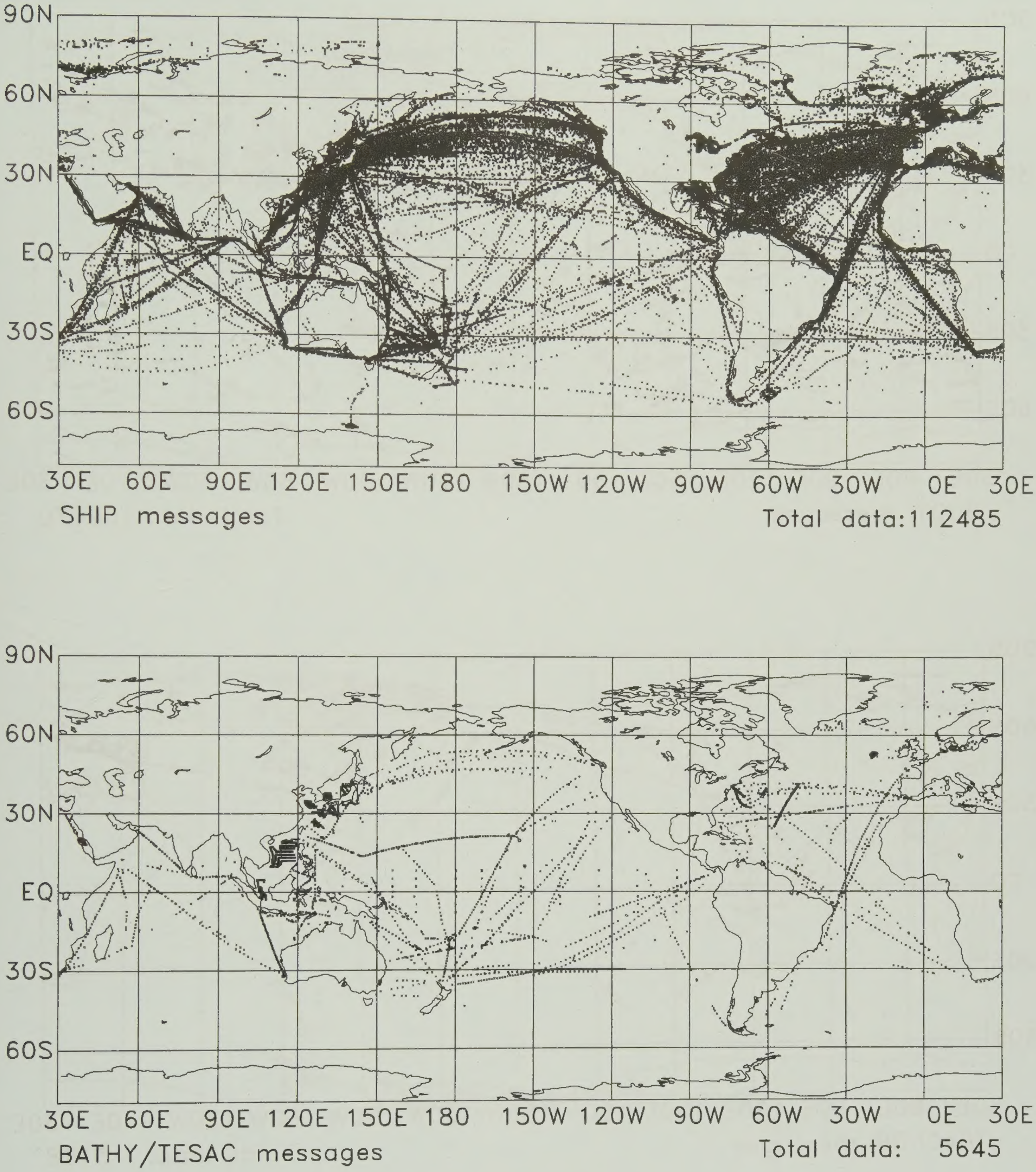
第26図　日本近海表層水温(深さ100m)図 (1995年 8月)

Fig.26　Subsurface (100m) temperatures in seas adjacent to Japan for AUG 1995. Contour interval is 1°C. Observation points are denoted by dots.



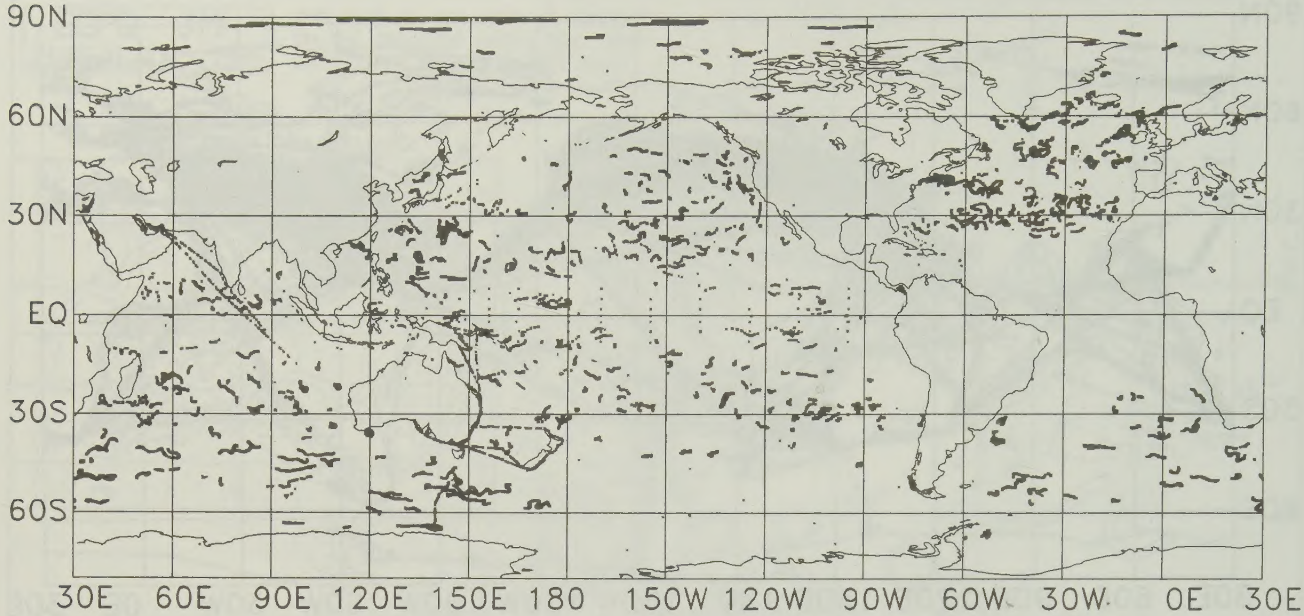
第27図　北西太平洋海流図（1995年 8月下旬）

Fig.27 Analysis of the sea surface current in the western North Pacific for the 3rd ten-day period in AUG 1995. Small arrows indicate sea surface currents measured with acoustic Doppler current profilers, GEKs deployed in research vessels, and ship drift by merchant ships/drifting buoys during the month. Major currents such as the Kuroshio and the North Equatorial Current are denoted by larger open arrows.

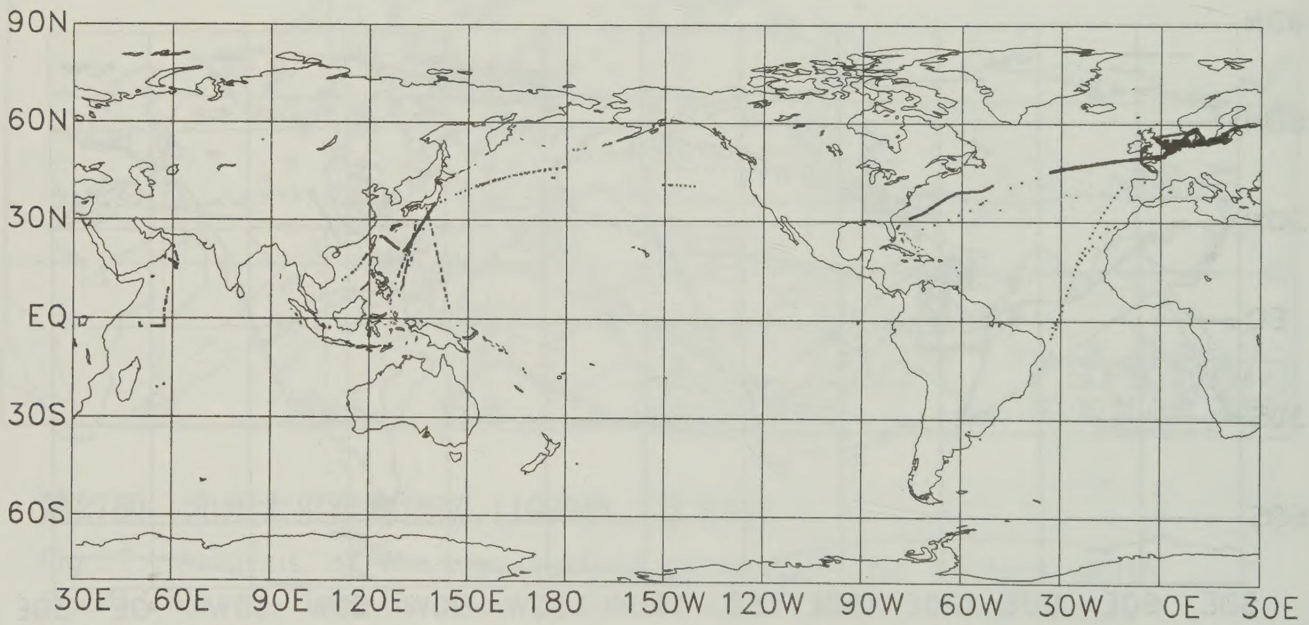


第28-1図　測点分布図(1995年 8月)

Fig.28−1　Geographical distribution of SHIP messages (SST data, top) and BATHY/TESAC messages (subsurface temperature data, bottom) for AUG 1995.



BUOY messages Total data:169670



TRACKOB messages Total data: 3128

第28-2図　測点分布図(1995年 8月)

Fig.28–2 Geographical distribution of BUOY messages (buoy drift and SST data, top) and TRACKOB messages (ship drift and SST data, bottom) for AUG 1995.

気象庁海洋月報

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